BULLETIN OF WAKE FOREST COLLEGE

CATALOG ISSUE

WINSTON-SALEM NORTH CAROLINA

JANUARY 1965

FOR STUDENTS ENTERING IN ACADEMIC YEAR 1965-1966

CORRESPONDENCE

Inquiries to the College should be addressed as indicated below:

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Alumni Affairs	Director of Alumni Activities
Athletics	Director of Athletics
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Graduate Studies	Director of Graduate Studies
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Men	Director of Residences
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Law	Dean of School of Law
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Placement	Director of Placement Bureau
Public Relations and Development Program	President
Scholarships	Committee on Scholarships
Student Affairs	Dean of the College
Summer Session	Dean of Summer Session
Transcripts	Registrar

All addresses, except Medicine, are:
Wake Forest College, Reynolda Station
Winston-Salem, N. C. 27106

Wait Chapel

Entrance to one of the women's dormitories

The Z. Smith Reynolds Library

Air

e Campus

Winston Hall (Biology and Psychology)

School of Law

Reynolda Hall

NEW SERIES JANUARY 1965 VOL. LX, No. 1

BULLETIN OF

WAKE FOREST COLLEGE

GENERAL CATALOG ISSUE

ONE HUNDRED THIRTIETH YEAR

ANNOUNCEMENTS FOR 1965-1966

The Bulletin of Wake Forest College is published six times annually at Winston-Salem, North Carolina, and includes announcements of the School of Arts and Sciences, Graduate Studies, Summer Session, Bowman Gray School of Medicine, and the School of Law

Second-class postage paid at Winston-Salem, N. C.

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COLLEGE CALENDAR

Summer Session 1965

June	14	Monday	Registration First Term
June	15	Tuesday	Classes begin
July	20	Tuesday	First term ends
July	22	Thursday	Registration Second Term
July	23	Friday	Classes Begin
Aug.	27	Friday	Second Term ends

Fall Term 1965

Sept.	14	Tuesday 9:00 11:00	Dormitories open for students Cafeteria open
Sept. Sept.	14 19	Tuesday Sunday	Orientation for freshmen and transfer students
Sept. Sept.	17 18	Friday Saturday	*Registration
Sept.	20	Monday	Classes begin
Oct.	4	Monday	Last day for dropping a class without penalty
Oct.	20	Wednesday	I grades of last term become F
Nov.	10	Wednesday	Mid-term reports due
Nov. Nov.	25 28	Thursday Sunday	Thanksgiving recess
Nov.	29	Monday	Classes resumed
Dec. Jan.	19 2	Sunday Sunday	Christmas recess
Jan.	3	Monday	Classes resumed
Jan.	17	Monday	Examinations begin
Jan.	20	Thursday	Reading Day
Jan.	26	Wednesday	Examinations end

*Registration in the School of Law will be held Sept. 13-14.

Spring Term 1966

Jan. Feb.	31 1	Monday Tuesday	Registration
Feb.	2	Wednesday	Classes begin
Feb.	3	Thursday	Founders' Day Convocation
Feb.	16	Wednesday	Last day for dropping a class without penalty
Mar.	4	Friday	I grades of last term become F
Mar.	24	Thursday	Mid-term reports due
Mar. April	27 3	Sunday Sunday	Spring recess
April	4	Monday	Classes resumed
April	7	Thursday	Senior Testing Day
April	18	Monday	Last day for payment of reservation deposit for next school year
May	23	Monday	Examinations begin
May	26	Thursday	Reading Day
June	1	Wednesday	Examinations end
June	4	Saturday	Alumni Day
June	5	Sunday	Baccalaureate Sermon
June	6	Monday	Graduation

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INTRODUCING THE COLLEGE

Location

Wake Forest College is located at Winston-Salem, North Carolina, just off North Carolina Highway 67 (which follows Reynolda Road at this point), on the western outskirts of the city. The College consists of the following divisions: the School of Arts and Sciences, the School of Law, the School of Business Administration, the Bowman Gray School of Medicine, and the Division of Graduate Studies.

Recognition

Wake Forest College is a member of the Southern Association of Colleges and Schools, the Southern Universities Conference, and the Association of American Colleges. The College has chapters of the principal national social fraternities, professional fraternities and honor societies, including Phi Beta Kappa.

The School of Law is a member of the Association of American Law Schools, and is on the approved list of the Council on Legal Education of the American Bar Association.

The Bowman Gray School of Medicine, a four-year medical college, is a member of the Association of American Medical Colleges, and is on the approved list of the Council on Medical Education of the American Medical Association.

The School of Business Administration is a member of the American Association of Collegiate Schools of Business.

Although Wake Forest was primarily a college for men for more than 100 years, women have been regularly admitted to all classes and to the professional schools since 1942.

BOARD OF TRUSTEES

Terms Expire December 31, 1965

A. Douglas Aldrich, Gastonia
Claude U. Broach, Charlotte
Irving E. Carlyle, Winston-Salem
Guy Carswell, Charlotte
Alton Lennon, Wilmington
Claude A. McNeill, Jr., Elkin
J. Everette Miller, Raleigh
Hubert E. Olive, Lexington
Ronald E. Wall, Greensboro

Terms Expire December 31, 1966

Thomas H. Davis, Winston-Salem
Tom M. Freeman, Dunn
Walter E. Greer, Jr., Greensboro
Mrs. Earl Meacham, Shelby
George T. Noel, Jr., Kannapolis
Jack R. Noffsinger, Winston-Salem
Carlton S. Prickett, Burlington
Robert L. Pugh, New Bern
William W. Staton, Sanford

Terms Expire December 31, 1967

Joseph Branch, Enfield
Jesse P. Chapman, Jr., Asheville
J. Edwin Collette, Winston-Salem
Walter E. Crissman, High Point
Craig Hopkins, Albemarle
William Walton Kitchin, Clinton
Hubert F. Ledford, Raleigh
William E. Poe, Charlotte
B. Elmo Scoggin, Wake Forest

Terms Expire December 31, 1968

Murchison Biggs, Lumberton
Henry L. Bridges, Raleigh
Wade E. Brown, Boone
William J. Conrad, Winston-Salem
John Dilday, Durham
G. Maurice Hill, Drexel
J. Dewey Hobbs, Marion
Robert Holt, Greenville
W. Boyd Owen, Waynesville

Officers

For One-Year Term Beginning January 1, 1965

Irving E. Carlyle, Winston-Salem, *President*
Claude U. Broach, Charlotte, *Vice-President*
Talcott W. Brewer, Box 267, Raleigh, *Treasurer Emeritus*
Worth H. Copeland, Box 7201, Winston-Salem, *Secretary and Treasurer*
James B. Cook, Jr., Box 7201, Winston-Salem, *Assistant Secretary*
John G. Williard, Box 7201, Winston-Salem, *Assistant Treasurer*
Norman A. Wiggins, Box 7206, Winston-Salem, *General Counsel*

*ADMINISTRATION

HAROLD WAYLAND TRIBBLE (1950) *President*
B.A., Richmond; Th.M., Th.D., Southern Baptist Theological Seminary; M.A., Louisville; Ph.D., Edinburgh; D.D., Stetson; LL.D., Union University, Wake Forest, Richmond, Duke, North Carolina.

COY C. CARPENTER (1926, 1936, 1963) *Vice President for Medical Affairs and Professor of Pathology*
B.A. in Medicine, Wake Forest; M.D., Syracuse University School of Medicine.

EDWIN GRAVES WILSON (1946, 1951) *Dean of the College and Professor of English*
B.A., Wake Forest; A.M., Ph.D., Harvard.

ROBERT ALLEN DYER (1956), *Assistant Dean of the College and Associate Professor of Religion*
B.A., Louisiana State; Th.M., Th.D., Southern Baptist Theological Seminary.

THOMAS M. ELMORE (1962), *Dean of Students and Assistant Professor of Educational and Counseling Psychology*
B.A., Wake Forest; M.A., George Peabody; Ph.D., Ohio State.

MARK H. REECE (1956) *Dean of Men*
B.S., Wake Forest.

LULA M. LEAKE (1964) *Dean of Women*
B.A., Louisiana State; M.R.E., Southern Baptist Theological Seminary.

GAINES M. ROGERS (1948), *Dean of the School of Business Administration and Professor of Business Administration*
B.S., Clemson; M.A., Ph.D., Virginia.

CARROLL W. WEATHERS (1950), *Dean of the School of Law and Professor of Law*
B.A., LL.B., Wake Forest.

MANSON MEADS (1947, 1963) *Dean of the Bowman Gray School of Medicine and Professor of Preventive Medicine*
B.A., California; M.D., D.Sc., Temple.

ROBERT L. TUTTLE (1948), *Associate Dean of the Bowman Gray School of Medicine and Associate Professor of Microbiology and Immunology*
B.S., New Hampshire; M.D., Rochester.

CLYDE HARDY (1941) *Associate Dean (Administration) of the Bowman Gray School of Medicine*
B.A., Richmond.

* Date following name indicates year of appointment. More than one date indicates separate appointments.

PERCIVAL PERRY (1939, 1947), *Dean of the Summer Session and Professor of History*
B.A., Wake Forest; M.A. Rutgers; Ph.D., Duke.

HENRY SMITH STROUPE (1937) *Director of Graduate Studies and Professor of History*
B.S., M.A., Wake Forest; Ph.D., Duke.

WORTH H. COPELAND (1941), *Secretary and Treasurer of The Trustees of Wake Forest College; Secretary of the Faculty; Superintendent of the College Hospital*
B.S., M.A., Wake Forest.

JAMES B. COOK, JR. (1944, 1947), *Assistant Treasurer and Assistant Secretary of the Board of Trustees*
B.S., Wake Forest; M.A., North Carolina; M.B.A., Harvard.

JOHN G. WILLIARD (1958) *Assistant Treasurer*
B.S., University of North Carolina; C.P.A., North Carolina.

HARRY O. PARKER (1947), *Controller of the Bowman Gray School of Medicine of Wake Forest College*
B.S., University of North Carolina; C.P.A., North Carolina.

GRADY S. PATTERSON (1924) *Registrar*
B.A., Wake Forest.

MRS. MARGARET R. PERRY (1947) *Associate Registrar*
B.S., South Carolina.

WILLIAM G. STARLING (1958) *Director of Admissions*
B.B.A., Wake Forest.

MRS. SHIRLEY P. HAMRICK (1957) *Associate Director of Admissions*
B.A., North Carolina.

STAN C. BROADWAY (1964) *Assistant Director of Admissions*
A.B., High Point.

WILLIAM M. MACKIE, JR. (1964) *Admissions Counselor*
B.S., Wake Forest

M. HENRY GARRITY (1964) *Director of Development and Alumni Activities*
B.A., Wake Forest.

RUSSELL H. BRANTLEY, JR. (1953) *Director of Communications*
B.A., Wake Forest.

MARVIN A. FRANCIS (1955) *Director of Sports Publicity*

LEON H. HOLLINGSWORTH (1959) *Chaplain*
B.A., D.D., Wake Forest.

EDGAR D. CHRISTMAN (1956, 1961) *Assistant to the Chaplain and Director of the Baptist Student Union*
B.A., LL.B., Wake Forest; B.D., Southeastern Baptist Theological Seminary; S.T.M., Union Theological Seminary.

PAUL L. GARRISON (1962) *Medical Director*
B.S., Wake Forest; M.D., Bowman Gray.

HOWARD A. JEMISON, JR. (1964) *Assistant Medical Director*
M.D., Bowman Gray.

MARY ANN HAMPTON TAYLOR (1961), *Assistant Medical Director and Assistant in Preventive Medicine*
B.S., Wake Forest; M.D., Bowman Gray.

MERRILL G. BERTHRONG (1964) *Director of Libraries*
B.A., Tufts; M.A., Fletcher School of Law and Diplomacy; Ph.D., Pennsylvania

CARLTON P. WEST (1928) *Librarian*
B.A., Boston University; M.A., Yale; B.S. in L.S., North Carolina.

MRS. VIVIAN LUNSFORD WILSON (1960) *Law Librarian*
A.B., Coker; B.S. in L.S., George Peabody.

JOHN F. REED (1963) *Director of Placement and Student Aid*
A.B., Pennsylvania State; M.A., Washington and Jefferson.

CHARLES M. ALLEN (1941) *Director of Concerts and Lectures and Professor of Biology*
B.S., M.A., Wake Forest; Ph.D., Duke.

G. EUGENE HOOKS (1956), *Director of Athletics and Associate Professor of Physical Education*
B.S., Wake Forest; M.Ed., North Carolina; Ed.D., George Peabody.

JESSE I. HADDOCK (1952,1954) *Assistant Director of Athletics*
B.S., Wake Forest.

RICHARD T. CLAY (1956) *Manager of the College Book Store*
B.B.A., Wake Forest.

RICHARD D. WHISNANT (1960) *Assistant Manager of the College Book Store*
B.B.A., Wake Forest.

HAROLD S. MOORE (1953) *Superintendent of Buildings and Grounds*
B.M.E., Virginia.

ROYCE R. WEATHERLY (1947) — *Assistant Superintendent of Buildings and Grounds*

MELVIN Q. LAYTON (1951) — *Assistant Superintendent of Buildings and Grounds*

B.S., Wake Forest.

THOMAS P. GRIFFIN (1956) — *Director of Residences*

HARRY F. SMITH (1954) — *Manager of Central Duplicating Service*

*Professors Emeriti

ORA C. BRADBURY (1925-1961) *Professor Emeritus of Biology*
B.S., Ottawa; M.A., Ph.D., Nebraska.

†DANIEL BUNYAN BRYAN (1921-1957) *Professor Emeritus of Education*
B.A., North Carolina; M.A., Columbia; Ph.D., New York University.

MRS. ETHEL T. CRITTENDEN (1915-1946) *Librarian Emerita*

J. ALLEN EASLEY (1928-1963) *Professor Emeritus of Religion*
B.A., D.D., Furman; Th.M., Southern Baptist Theological Seminary.

OWEN F. HERRING (1946-1963) *Professor Emeritus of Religion*
B.A., M.A., Wake Forest; Th.M., Th.D., Southern Baptist Theological Seminary; D.D., Georgetown College.

LOIS JOHNSON (1942-1962) *Dean of Women Emerita*
B.A., Meredith; M.A., North Carolina.

HUBERT A. JONES (1908-1959) *Professor Emeritus of Mathematics*
B.A., M.A., LL.B., Wake Forest.

HENRY BROADUS JONES (1924-1959) *Professor Emeritus of English*
B.A., Wake Forest; M.A., Ph.D., Chicago.

EUGENE I. OLIVE (1940-1961) *Director Emeritus of Alumni Activities*
B.A., Wake Forest; Th.M., Southern Baptist Theological Seminary.

KENNETH TYSON RAYNOR (1926-1961) *Associate Professor Emeritus of Mathematics*
B.A., Wake Forest; M.A., Duke.

* Dates following names indicate period of service.
† Died, December 9, 1963.

*Instruction

MRS. BILLIE OWENS ADAMS (1964) *Instructor in English*
A.B., Gilford; M.A., Wake Forest.

CHARLES M. ALLEN (1941) *Professor of Biology and Director of Concerts and Lectures*
(See Administration)

JUDSON B. ALLEN (1962) *Assistant Professor of English*
B.A., Baylor; M.A., Vanderbilt; Ph.D., Johns Hopkins.

RALPH D. AMEN (1962) *Assistant Professor of Biology*
B.A., M.A., Colorado State; M.B.S., Ph.D., Colorado.

JAMES E. ANDERSON (1959) *Associate Professor of Political Science*
B.S., Southwest Texas State Teachers College; Ph.D., Texas.

JOHN WILLIAM ANGELL (1955) *Professor of Religion*
B.A., Wake Forest; Th.M., Southern Baptist Theological Seminary; S.T.M., Andover Newton Theological School; Th.D., Southern Baptist Theological Seminary.

AILENE CORRY ARENSBACH (1962) *Instructor in French*
B.A., Oglethorpe; M.A., Emory.

ANDREW LEWIS AYCOCK (1928) *Associate Professor of English*
B.A., Wake Forest; M.A., Tulane.

H. WALLACE BAIRD (1963) *Assistant Professor of Chemistry*
A.B., Berea; Ph.D., Wisconsin.

EUGENE PENDLETON BANKS (1954) *Professor of Sociology and Anthropology*
B.A., Furman; M.A., Ph.D., Harvard.

JAMES PIERCE BAREFIELD (1963) *Instructor in History*
B.A., M.A., Rice.

RICHARD CHAMBERS BARNETT (1961) *Assistant Professor of History*
B.A., Wake Forest;M.Ed., Ph.D., North Carolina.

HAROLD M. BARROW (1948) *Professor of Physical Education*
A.B., Westminster; M.A., Missouri; P.E.D., Indiana.

ROBERT CLARENCE BECK (1959) *Associate Professor of Psychology*
B.A., Ph.D., Illinois.

CHARLES S. BLACK (1919, 1925) *Professor of Chemistry*
B.A., M.A., Wake Forest; M.A., Virginia; Ph.D., Wisconsin.

* Names are arranged alphabetically. Date following name indicates year of appointment. More than one date indicates separate appointments.

JAMES CAREY BLALOCK (1950) *Associate Professor of Chemistry*
B.S., M.A., Wake Forest; Ph.D., Florida.

ROBERT LAMAR BLAND (1964) *Instructor in English*
B.A., Wake Forest; M.A., North Carolina.

S. JULIAN BOYLES (1963) *Colonel, Chemical Corps, U.S. Army; Professor of Military Science*
B.S., North Carolina State.

*ROBERT W. BREHME (1959) *Associate Professor of Physics*
B.S., Roanoke; M.S., Ph.D., North Carolina.

*JOHN C. BRODERICK (1957) *Professor of English*
A.B., Southwestern (Memphis); A.M., Ph.D., North Carolina.

DALMA ADOLPH BROWN (1941) *Associate Professor of English*
B.A., M.A., North Carolina.

†GEORGE MCLEOD BRYAN (1956) *Professor of Religion*
B.A., M.A., Wake Forest; B.D., Ph.D., Yale.

JULIAN C. BURROUGHS, JR. (1958) *Associate Professor of Speech*
B.A., Wake Forest; M.A., Ph.D., Michigan.

RUTH F. CAMPBELL (1962) *Assistant Professor of Spanish*
B.A., Woman's College, North Carolina; M.A., North Carolina; Ph.D., Duke.

JOHN A. CARTER, JR. (1961) *Assistant Professor of English*
B.A., Virginia; M.A., Ph.D., Princeton.

DOROTHY CASEY (1949) *Instructor in Physical Education*
B.S., Woman's College, North Carolina; M.A., North Carolina.

DAVID W. CATRON (1963), *Assistant Professor of Psychology and Assistant Director of the Center for Psychological Services*
B.A., Furman; Ph.D., Peabody.

CHANGBOH CHEE (1959) *Assistant Professor of Sociology and Anthropology*
B.A., Chosun Christian University, Seoul, Korea; B.A., North Central College; M.A., Ph.D., Duke.

GLENN R. CLARK (1964) *Instructor in Biology*
B.S., Wake, Forest; M.D., Bowman Gray School of Medicine.

FORREST W. CLONTS (1922, 1925) *Associate Professor of History*
B.A., Wake Forest; M.A., Ohio State.

* Absent on leave, 1964-65.
† Absent on leave, Fall 1964.

NORMAN G. CLYNE, JR. (1962) *Major, Artillery, U.S. Army; Assistant Professor of Military Science*
B.S., The Citadel.

ELTON C. COCKE (1938) *Professor of Biology*
B.S., M.S., Ph.D., Virginia.

LEON P. COOK, JR. (1957) *Associate Professor of Accounting, School of Business Administration*
B.S., Virginia Polytechnic Institute; M.S., Tennessee; C.P.A., Arkansas.

MARJORIE CRISP (1947) *Assistant Professor of Physical Education*
B.S., Appalachian State Teachers College; M.A., George Peabody.

SHERON JEANENNE DAILEY (1964) *Instructor in Speech*
B.A., Wake Forest; M.A., Minnesota.

JOHN EDWARD DAVIS, JR. (1956) *Associate Professor of Biology*
B.A., M.A., Ph.D., Virginia.

MARCEL E. DELGADO (1947) *Instructor in Spanish*
B.A., Carson-Newman; Th.M., Southern Baptist Theological Seminary.

JOHN F. DIMMICK (1961) *Assistant Professor of Biology*
B.S., M.S., Western Illinois; Ph.D., Illinois.

HUGH WILLIAM DIVINE (1954) *Professor of Law*
B.S., Georgia State College for Men; M.A., Louisiana State; J. D., Emory; LL.M., S.J.D., Michigan.

N. TAYLOR DODSON (1957) *Professor of Physical Education*
B.S., M.A., North Carolina; Dir. P.E., P.E.D., Indiana.

JUSTUS C. DRAKE (1946) *Assistant Professor of English*
B.A., M.A., Wake Forest.

ROBERT H. DUFORT (1961) *Associate Professor of Psychology*
B.A., Ph.D., Duke.

ROBERT ALLEN DYER *Associate Professor of Religion and Assistant Dean*
(See Administration.)

FRANK EDWIN EAKIN, JR. (1964) *Assistant Professor of Religion*
B.A., Richmond; B.D., Southern Baptist Theological Seminary; Ph.D., Duke.

JOHN R. EARLE (1963), *Assistant Professor of Sociology and Anthropology*
B.A., Wake Forest; M.A., Ph.D., North Carolina.

CRONJE B. EARP (1940) *Professor of Classical Languages and Literature*
B.A., Wake Forest; M.A., Ph.D., Columbia.

ELIZABETH V. EFIRD (1963) *Instructor in English*
A.B., Woman's College, North Carolina; M.A., Yale.

LEO ELLISON, JR. (1957) *Instructor in Physical Education; Swimming Coach*
B.S., M.S., Northwestern State College.

THOMAS M. ELMORE *Assistant Professor of Educational and Counseling Psychology and Dean of Students*
(See Administration.)

ESRON MCGRUDER FARIS, JR. (1957) *Professor of Law*
B.S., LL.B., Washington and Lee; LL.M., Duke.

PAUL C. FISHER (1963) *Instructor in German*
B.A., Arizona; M.A., Rutgers.

JACK D. FLEER (1964) *Assistant Professor of Political Science*
A.B., Oklahoma Baptist; M.S., Florida State; Ph.D., North Carolina.

WALTER S. FLORY (1963) *Babcock Professor of Botany*
B.A., Bridgewater; M.A., Ph.D., Virginia; Sc.D., Bridgewater.

EDGAR ESTES FOLK (1936) *Professor of English*
B.A., Wake Forest; M.S., Columbia; Ph.D., George Peabody.

DOYLE RICHARD FOSSO (1964) *Instructor in English*
A.B., Harvard; M.A., Michigan.

RALPH S. FRASER (1962) *Associate Professor of German*
B.A., Boston; M.A., Syracuse; Ph.D., Illinois.

CLARKE W. GARRETT (1961) *Assistant Professor of History*
B.A., Carleton; M.S., PhD., Wisconsin.

ROLAND L. GAY (1933) *Associate Professor of Mathematics*
B.S., Wake Forest; M.S., North Carolina State.

IVEY C. GENTRY (1949) *Professor of Mathematics*
B.S., Wake Forest; B.S., New York University; M.A., Ph.D., Duke.

BYNUM C. GIBSON (1962) *Sergeant First Class, U.S. Army; Assistant in Instruction in Military Science*

CHRISTOPHER GILES, JR. (1951) *Assistant Professor of Music*
B.S., Florida Southern; M.A., George Peabody.

BALKRISHNA GOVIND GOKHALE (1960) *Professor of History and Asian Studies*
B.A., M.A., Ph.D., Bombay.

*ROBERT G. GREGORY (1957) *Associate Professor of History*
B.A., M.A., Ph.D., California.

* Absent on leave, 1964-65.

GEORGE J. GRIFFIN (1948) *Professor of Religion*
B.A., Wake Forest; Th.B., Southern Baptist Theological Seminary; B.D., Yale; Ph.D., Edinburgh.

PAUL M. GROSS, JR. (1959) *Associate Professor of Chemistry*
B.S., Duke; Ph.D., Brown.

LUCY HAMBLIN (1964) *Instructor in Mathematics*
B.A., Millsaps; M.A., Vanderbilt.

EMMETT WILLARD HAMRICK (1952) *Professor of Religion*
A.B., North Carolina; Ph.D., Duke.

PHILLIP J. HAMRICK, JR. (1956) *Associate Professor of Chemistry*
B.S., Morris Harvey; Ph.D., Duke.

JAMES H. HANCOCK, JR. (1963) *Captain, Armor, U.S. Army; Assistant Professor of Military Science*
A.B., Presbyterian.

CARL V. HARRIS (1956) *Associate Professor of Classical Languages and Literature*
B.A., Wake Forest; B.D., S.T.M., Yale; Ph.D., Duke.

RALPH CYRUS HEATH (1954) *Professor of Marketing, School of Business Administration*
A.B., Princeton; M.B.A., D.B.A., Indiana.

ROBERT MEREDITH HELM, JR. (1940) *Professor of Philosophy*
B.A., Wake Forest; M.A., Ph.D., Duke.

J. EDWIN HENDRICKS (1961) *Assistant Professor of History*
B.A., Furman; M.A., Ph.D., Virginia.

MARCUS B. HESTER (1963) *Assistant Professor of Philosophy*
B.A., Wake Forest; Ph.D., Vanderbilt.

JACK M. HICKS (1963) *Assistant Professor of Psychology*
B.A., M.A., San Jose State; Ph.D., Northwestern.

ROBERT P. HIGGINS (1961) *Assistant Professor of Biology*
B.A., M.A., Colorado; Ph.D., Duke.

DAVID ALLEN HILLS (1960) *Assistant Professor of Psychology and Director of the Center for Psychological Services*
A.B., Kansas; M.A., Ph.D., Iowa.

KEITH A. HITCHINS (1958) *Assistant Professor of History*
A.B., Union College; A.M., Ph.D., Harvard.

RALPH K. HOOK (1963) *Captain, Artillery, U.S. Army; Assistant Professor of Military Science*
B.S., Florida.

G. E. Hooks (1956) *Associate Professor of Physical Education and Director of Athletics*
B.S., Wake Forest; M.Ed., North Carolina; Ed.D., George Peabody.

Calvin R. Huber (1962) *Instructor in Music*
B.M., M.M., Wisconsin

Binnie E. Humphrey (1962) *Instructor in French and Spanish*
B.A., M.A., Emory.

Delmer P. Hylton (1949) *Professor of Accounting, School of Business Administration*
B.S., M.B.A., Indiana University; C.P.A., Indiana.

Clarence Frye Ikerd (1964) *Instructor in English*
B.A., Wake Forest; M.A., Wisconsin.

James Lindsey Ivey (1962) *Instructor in French*
B.A., M.Ed., North Carolina.

J. Robert Johnson, Jr. (1957) *Associate Professor of Mathematics*
B.S., Wake Forest; M.A., Ph.D., Duke.

Edgar W. Jordan (1955), *Instructor in Physical Education; Track Coach*
B.A., Richmond; M.Ed., North Carolina.

Alonzo W. Kenion (1956) *Assistant Professor of English*
A.B., M.A., Ph.D., Duke.

Harry Lee King, Jr. (1960) *Associate Professor of Spanish*
B.A., Richmond; M.A., Ph.D., North Carolina.

Henry Conrad Lauerman (1963) *Associate Professor of Law*
B.S., U.S. Naval Academy; LL.B., LL.M., Georgetown; LL.M., Duke.

Robert E. Lee (1946) *Professor of Law*
B.S., LL.B., Wake Forest; M.A., in Public Law, Columbia; LL.M., S.J.D., Duke.

Oscar J. Lewis (1956) *Associate Professor of Accounting, School of Business Administration*
B.A., Baylor; M.B.A., Mississippi; C.P.A., Tennessee.

James B. Linder (1961) *Instructor in Mathematics*
B.S., M.A., North Carolina.

Robert W. Lovett (1962) *Instructor in English*
B.A., Oglethorpe; M.A., Emory.

J. Lawrence McCollough (1963) *Instructor in Philosophy*
B.A., Wake Forest; M.A., Emory.

James C. McDonald (1960) *Assistant Professor of Biology*
B.A., Washington University, St. Louis; M.A., Ph.D., Missouri.

THANE MCDONALD (1941) *Professor of Music*
B.M., M.M., Michigan; Ed.D., Teachers College, Columbia.

J. GAYLORD MAY (1961) *Assistant Professor of Mathematics*
B.S., Wofford; M.A., Ph.D., Virginia.

W. GRAHAM MAY (1961) *Assistant Professor of Mathematics*
B.S., Wofford; M.A., Ph.D., Virginia.

PAUL MAZUR (1963) *Assistant Professor of Physics*
B.A., Temple; Ph.D., Maryland.

JAN P. MELVIN (1961) *Instructor in German*
B.A., Manchester; M.A., Indiana University.

JASPER L. MEMORY, JR. (1929) *Professor of Education*
B.A., Wake Forest; M.A., Columbia.

HARRY B. MILLER (1947) *Professor of Chemistry*
B.S., Ph.D., North Carolina.

CARLTON T. MITCHELL (1961) *Assistant Professor of Religion*
B.A., Wake Forest; B.D., Yale; S.T.M., Union Theological Seminary, New York; Ph.D., New York University.

DANIEL C. MOONEY (1956) *Master Sergeant, U.S. Army; Assistant in Military Science*

THOMAS S. MORGAN (1964) *Instructor in History*
A.B., Davidson; M.A., Duke.

JAMES D. MORRISON (1963) *Assistant Professor of Chemistry*
B.S., Franklin and Marshall; Ph.D., Northwestern.

CARL C. MOSES (1964) *Associate Professor of Political Science*
A.B., William and Mary; M.A., Ph.D., North Carolina.

THOMAS E. MULLEN (1957) *Associate Professor of History*
B.A., Rollins; M.A., Ph.D., Emory University.

F. H. WALDEMAR NOLL (1963) *Visiting Professor of Physics*
B.A., Iowa; M.S., Ohio State; Ph.D., Iowa.

JOHN W. NOWELL (1945) *Professor of Chemistry*
B.S., Wake Forest; Ph.D., North Carolina.

JAMES C. O'FLAHERTY (1947) *Professor of German*
B.A., Georgetown College; M.A., Kentucky; Ph.D., Chicago.

AULSEY THOMAS OLIVE (1961) *Assistant Professor of Biology*
B.S., Wake Forest; M.S., Ph.D., North Carolina State.

JEANNE OWEN (1956) *Professor of Business Law, School of Business Administration*
B.S., Woman's College, North Carolina; M.C.S., Indiana; J.D., North Carolina.

HAROLD DAWES PARCELL (1935) *Professor of French*
B.A., North Carolina; M.A., Ph.D., Harvard.

JOHN ERNEST PARKER, JR. (1950) *Professor of Romance Languages and Education*
B.A., Wake Forest; A.M., Ph.D., Syracuse.

CLARENCE H. PATRICK (1946) *Professor of Sociology and Anthropology*
B.A., Wake Forest; B.D., Andover Newton; Ph.D., Duke.

JERRY L. PERKINS (1964), *Captain, Infantry, U. S. Army; Assistant Professor of Military Science*
B.B.A., Wake Forest College.

PERCIVAL PERRY *Professor of History and Dean of the Summer Session*
(See Administration.)

ELIZABETH PHILLIPS (1957) *Associate Professor of English*
A.B., Woman's College, North Carolina; M.A., State University of Iowa; Ph.D., Pennsylvania.

HERMAN J. PRESEREN (1953) *Associate Professor of Education*
B.S., State Teachers College, California, Pennsylvania; M.A., Teachers College, Columbia; Ph.D., North Carolina.

KEITH W. PRICHARD (1961), *Assistant Professor of Education, and Sociology and Anthropology*
B.S., Indiana; M.A., Columbia; Ed.D., Harvard.

FRANK H. RAMSEY (1964) *Assistant Professor of Physical Education*
B.S., Austin Peay; M.S., Tennessee; Ph.D., Florida State.

MRS. BEULAH LASSITER RAYNOR (1946) *Instructor in English*
B.A., East Carolina Teachers College; M.A., Wake Forest.

ALBERT C. REID (1917, 1920) *Professor of Philosophy*
B.A., M.A., Wake Forest; Ph.D., Cornell.

JON M. REINHARDT (1964) *Instructor in Political Science*
B.A., Birmingham-Southern; M.A., Tulane.

ROBERT H. RENSHAW (1964), *Assistant Professor of Economics, School of Business Administration*
A.B., Michigan; M.A., Ph.D., Michigan State.

HAROLD V. RHODES (1964) *Assistant Professor of Political Science*
B.A., M.A., Wichita; Ph.D., Arizona.

CLAUD HENRY RICHARDS, JR. (1952) *Professor of Political Science*
B.A., Texas Christian; M.A., Ph.D., Duke.

BARNEY L. RICKENBACKER, JR. (1964), *Instructor in Classical Languages*
B.A., North Carolina.

LEON SPURGEON ROBERTSON (1962), *Assistant Professor of Sociology and Anthropology*
B.A., Carson-Newman; Ph.D., Tennessee.

MRS. MARY FRANCES MCFEETERS ROBINSON (1952), *Associate Professor of French*
B.A., Wilson College; M.A., Ph.D., Syracuse.

PAUL S. ROBINSON (1952) *Associate Professor of Music*
B.A., Westminster College; Mus.B., Curtis Institute of Music; M.Sac. Mus., D.Sac. Mus. School of Sacred Music, Union Theological Seminary.

GAINES M. ROGERS *Professor of Finance and Dean of the School of Business Administration*
(See Administration.)

JOSEPH G. RUNNER (1962) *Instructor in French and Spanish*
B.A., Drury; M.A., Indiana.

WILMER D. SANDERS (1954, 1964) *Assistant Professor of German*
B.A., Muhlenberg; M.A., Ph.D., Indiana.

JOHN W. SAWYER (1956) *Professor of Mathematics*
A.B., M.A., Wake Forest; M.A., Ph.D., Missouri.

KARL MYRON SCOTT (1955), *Professor of Management, School of Business Administration*
B.A., Arkansas; M.S., Iowa State College; Ph.D., Illinois.

RICHARD D. SEARS (1964) *Instructor in Political Science*
A.B., Clark; M.A., Indiana.

BEN M. SEELBINDER (1959) *Professor of Mathematics*
B.S., Mississippi Delta State College; M.A., Ph.D., North Carolina.

GOLDEN SHELL (1962) *Staff Sergeant, U.S. Army; Assistant in Military Science*

HOWARD WILLIAM SHIELDS (1958) *Associate Professor of Physics*
B.S., North Carolina; M.S., Pennsylvania State; Ph.D., Duke.

FRANKLIN R. SHIRLEY (1948) *Professor of Speech*
B.A., Georgetown College; M.A., Columbia; Ph.D., Florida.

SANDRA I. SHOCKLEY (1964) *Instructor in Physical Education*
B.S., Radford College; M.S., Tennessee.

RICHARD LEE SHOEMAKER (1950) *Professor of Romance Languages*
B.A., Colgate; M.A., Syracuse; Ph. D., Virginia.

ROBERT N. SHORTER (1958) *Assistant Professor of English*
B.A., Union College; M.A., Duke.

REID B. SINCLAIR (1961) *Assistant Professor of English*
B.A., Randolph-Macon; M.A., Vanderbilt.

JAMES E. SIZEMORE (1953) *Professor of Law*
B.S., East Tennessee State; LL.B., Wake Forest.

DAVID L. SMILEY (1950) *Professor of History*
B.A., M.A., Baylor; Ph.D., Wisconsin.

GILBERT SMITH (1962) *Instructor in Spanish*
B.A., Baylor; M.A., Tulane.

HENRY LAWRENCE SNUGGS (1945) *Professor of English*
B.A., Wake Forest; M.A., Ph.D., Duke.

NICHOLAS J. SPIDEL, JR. (1964), *Sergeant Major, U. S. Army; Assistant in Military Science*

JACK T. STALLINGS (1958) *Instructor in Physcial Education; Head Baseball Coach*
B.S., Wake Forest; M.Ed., North Carolina.

HENRY SMITH STROUPE *Professor of History and Director of the Division of Graduate Studies*
(See Administration.)

ROBERT L. SULLIVAN (1962) *Assistant Professor of Biology*
B.A., Delaware; M.S., Ph.D., North Carolina State.

CHARLES H. TALBERT (1963) *Assistant Professor of Religion*
B.A., Howard; B.D., Southern Baptist Theological Seminary; Ph.D., Vanderbilt.

STANTON K. TEFFT (1964) *Assistant Professor of Sociology and Anthropology*
B.A., Michigan State; M.S., Wisconsin; Ph.D., Minnesota.

MRS. ANNE S. TILLETT (1956) *Assistant Professor of Romance Languages*
B.A., Carson-Newman; M.A., Vanderbilt; Ph.D., Northwestern University.

LOWELL R. TILLETT (1956) *Associate Professor of History*
B.A., Carson-Newman; M.A., Columbia; Ph.D., North Carolina.

PHYLLIS LOU TRIBLE (1963) *Assistant Professor of Religion*
B.A., Meredith; Ph.D., Union Theological Seminary, Columbia.

THOMAS J. TURNER (1952) *Professor of Physics*
B.S., North Carolina; M.S., Clemson; Ph.D., Virginia.

*DAN OTTO VIA, JR. (1956) *Associate Professor of Religion*
B.S., Davidson; B.D., Southern Baptist Theological Seminary; Ph.D., Duke.

* Absent on leave, 1964-65.

MARCELLUS E. WADDILL (1962) *Assistant Professor of Mathematics*
B.A., Hampden-Sydney; M.A., Ph.D., Pittsburgh.

JENNINGS L. WAGONER, JR. (1962) *Instructor in Education*
B.A., Wake Forest; M.A.T., Duke.

J. VAN WAGSTAFF (1964), *Assistant Professor of Economics, School of Business Administration*
B.A., Randolph-Macon; M.B.A., Rutgers; Ph.D., Virginia.

CLARENCE WALHOUT (1964) *Assistant Professor of English*
A.B., Calvin; M.A., Michigan; Ph.D., Northwestern.

JAMES H. WALTON (1956) *Instructor in Speech*
B.S., M.A., Nebraska.

CARROLL W. WEATHERS *Professor of Law and Dean of the School of Law*
(See Administration.)

JAMES A. WEBSTER, JR. (1951, 1954) *Professor of Law*
B.S., LL.B., Wake Forest.

NORMAN A. WIGGINS (1956) *Professor of Law*
B.A., LL.B., Wake Forest; LL.M., Columbia.

GEORGE P. WILLIAMS, JR. (1958) *Associate Professor of Physics*
B.S., Richmond; M.S., Ph.D., North Carolina.

JOHN EDWIN WILLIAMS (1959) *Professor of Psychology*
B.A., Richmond; M.A., Ph.D., Iowa.

EDWIN GRAVES WILSON *Professor of English and Dean of the College*
(See Administration.)

JAMES W. WILSON (1964) *Instructor in Classical Languages*
B.A., Geneva; M.A., North Carolina.

CHARLES HAROLD WOODELL (1964) *Instructor in English*
B.A., M.A., Wake Forest.

JOHN H. WRIGHT (1964) *Assistant Professor of Psychology*
B.A., M.A., Richmond; Ph.D., Virginia.

RAYMOND L. WYATT (1956) *Associate Professor of Biology*
B.S., Wake Forest; M.A., Ph.D., North Carolina.

WILFRED BUCK YEARNS, JR. (1945) *Professor of History*
B.A., Duke; M.A., Georgia; Ph.D., North Carolina.

RICHARD L. ZUBER (1962) *Assistant Professor of History*
B.S., Appalachian; M.A., Emory; Ph.D., Duke.

PART TIME STAFF MEMBERS

Mrs. Betty Crossley — *Visiting Teacher of Viola and Violin*
B.M., Indiana; M.M., Eastman School of Music.

Thomas Diener (1960) — *Visiting Teacher of Oboe and Bassoon*
B.M.E., Murray State.

Mrs. Marjorie Halpern (1964) — *Visiting Teacher of Piano*
A.B., North Carolina; M.A., Eastman School of Music.

Mrs. Lucille S. Harris (1957) — *Instructor in Piano*
B.A., B.M., Meredith.

Eugene Jacobowsky (1960) — *Visiting Teacher of Violin*
B.S., Julliard School of Music; M.A., Teachers College, Columbia.

Mrs. Ethel Lashmit Kalter (1960) — *Artist in Residence, Voice*
Certificate, Westminster Choir College.

Calvin Knobeloch (1962) — *Visiting Lecturer in Speech*
A.B., Indiana; Ph.D., Florida.

Stanley Lewis — *Visiting Teacher of Flute*
B.M., M.M., Peabody Conservatory.

Charles Medlin (1960) — *Visiting Teacher of Cello*
Certificate in Performance, Julliard School of Music.

William Roumillat — *Visiting Teacher of Oboe and Clarinet*
B.A., North Carolina.

Grover C. Smith (1963) — *Visiting Lecturer in English*
Ph.D., Columbia.

COACHING STAFF

G. Eugene Hooks (1956) — *Director of Athletics*
B.S., Wake Forest; M.Ed., North Carolina; Ed.D., George Peabody.

Jesse I. Haddock (1954), *Assistant Director of Athletics and Golf Coach*
B.S., Wake Forest.

Ballard G. Norwood (1962) — *Ticket Manager*

William L. Tate (1963) — *Football Coach*
B.S., Illinois.

Horace A. McKinney (1952) — *Basketball Coach*

Jack T. Stallings (1958), *Baseball Coach; Instructor in Physical Education*
B.S., Wake Forest; M.Ed., North Carolina.

Edgar W. Jordan (1956), *Track Coach; Instructor in Physical Education*
B.A., Richmond; M.Ed., North Carolina.

Leo Ellison, Jr. (1957) — *Swimming Coach; Instructor in Physical Education*
B.S., M.S., Northwestern State College.

Joseph A. Madden (1964) — *Freshman Football Coach*
B.S., Maryland.

Richard B. Anderson (1964) — *Assistant Football Coach*
B.S., Illinois.

William H. Davis (1964) — *Assistant Football Coach*
B.S., Illinois.

William Beattie Feathers (1961) — *Assistant Football Coach*
B.S., Tennessee.

O. Kenneth Karr (1964) — *Assistant Football Coach*
P.E.D., Illinois.

Comer Bill Sexton, Jr. (1963) — *Assistant Football Coach*
B.S., Alabama.

Jack Murdock (1960), *Assistant Basketball Coach; Freshman Baseball Coach*
B.A., Wake Forest.

James H. Leighton, Jr. (1962) — *Tennis Coach*
A.B., Presbyterian College.

Lewis Martin (1958) — *Athletic Trainer*

STAFFS OF THE LIBRARIES

MERRILL G. BERTHRONG, Ph.D., *Director of Libraries*

The Z. Smith Reynolds Library (General Library)

CARLTON P. WEST, M.A., B.S. in L.S., *Librarian*

MARY A. HENDRICKS, B.A., M.S. in L.S., *Circulation Librarian*

MINNIE S. KALLAM, B.A., B.S. in L.S., *Reference Librarian*

MRS. PATRICIA B. GILES, A.B., M.S.L.S., *Assistant Reference Librarian*

MRS. DOROTHY M. ROWLEY, B.A., B.S. in L.S., *Periodicals Librarian*

JAMES M. NICHOLSON, M.A., M.S. in L.S., *Assistant Catalog Librarian*

MARJORIE KEITH, A.B., M.A. in L.S., *Assistant Catolog Librarian*

MRS. MARGARET V. SHOEMAKER, B.S., A.B. in L.S., *Assistant Catalog Librarian*

MRS. ANNE M. NICHOLSON, A.B., B.S. in L.S., *Assistant Catalog Librarian*

EMILY FLOWERS, B.A., M.A. in L.S., *Assistant Catalog Librarian*

MRS. ELSA H. WILLIAMS, B.A., *Assistant Catalog Librarian*

MINNIE M. HUGGINS, B.A., B.S. in L.S., *Documents Librarian*

JOHN R. WOODARD, JR., B.A., *Director of the Baptist Collection*

MRS. DONA EVELYN WOODFIN, A.B., *Order Librarian*

Library of the School of Law

MRS. VIVIAN L. WILSON, A.B., B.S. in L.S., *Librarian*

Library of the Bowman Gray School of Medicine

BETTY A. WITHROW, B.A., B.S.L.S., *Librarian*

COMMITTEES OF THE FACULTY

1965-66

Effective September 1, 1965

The terms of members, except where otherwise shown, expire on August 31 of the year indicated. Each committee selects its own chairman except where the chairman is designated. All members of a committee vote except as otherwise indicated.

Absences

Non-voting. Dean of the College, Registrar, Dean of Women.
Voting. 1968 Wagstaff, 1967 Gay, 1966 Harris.

Admissions

Non-voting. Dean of the College, Registrar, Dean of Women, Director of Admissions.
Voting. 1968 Mitchell, Seelbinder; 1967 Patrick, Smiley; 1966 Carter, Scott.

Advisory Council to Lower Division

Johnson, Chairman; Amen, Angell, Aycock, Baird, Barefield, Barnett, Blalock, Brehme, Burroughs, Campbell, Catron, Cook, Davis, Dimmick, Dodson, Earle, Elmore, Fleer, Fraser, Garrett, Gregory, E. W. Hamrick, Harris, Hendricks, Hester, Higgins, Hitchins, Kenion, Lewis, J. G. May, W. G. May, Mitchell, Olive, Owen, Parker, Phillips, Prichard, Ramsey, Raynor, M. F. Robinson, P. S. Robinson, Sanders, Scott, Shorter, Tefft, Trible, Via, Waddill, Wagstaff, G. P. Williams, Wyatt, Zuber.

Athletics

Administrative: Dean of the College, Treasurer, Faculty Chairman Sawyer; 1968 Johnson, G. P. Williams; 1967 Heath, Barrow; 1966 Parker, Shirley.

Buildings and Grounds

Administrative Officials: Copeland, Moore, Patterson, Wilson; 1970 Beck, 1969 Hylton, 1968 O'Flaherty, 1967 Black, 1966 C. M. Allen.

Calendar

Dean of the College, Registrar, Dean of Women.

Curriculum

Dean of the College, Chairman; President, Dean of the School of Business Administration, Registrar, and the chairman of each

department of the School of Arts and Sciences as follows: Biology, Chemistry, Classical Languages, Education, English, German, History, Mathematics, Military Science, Music, Philosophy, Physical Education, Physics, Political Science, Psychology, Religion, Romance Languages, Sociology and Anthropology, Speech.

Executive

Non-voting. President, Dean of Women.
Voting. Dean of the College, Chairman; Dean of the School of Business Administration, and the following faculty members: 1968 Griffin, Shields; 1967 Clonts, Shirley; 1966 Helm, M. F. Robinson.

Graduate Council

Director of Graduate Studies, Chairman; Dean of the College; 1969 Phillips, Strittmatter; 1968 Olive; 1967 Gentry; 1966 Burt, Mullen; 1965 Shields, Sulkin.

Honors

Dean of the College, Chairman; 1969 A. S. Tillett, 1968 Banks, 1967 Seelbinder, 1966 Gross.

Library

Librarian and the following faculty members: 1968 Earle, Parcell, Preseren, Sawyer, Yearns; 1967 Crisp, Harris, Helm, Hills, Huber, Richards, G. P. Williams; 1966 Drake, Fraser, P. J. Hamrick, Hylton, J. C. McDonald, Mitchell, Shirley.

Men's Judicial Board

1968 Burroughs, Talbert; 1967 Turner, Gross; 1966 Memory, Barrow; six students elected by student body.

Nominations

1968 Griffin, G. P. Williams; 1967 Brown, Lewis; 1966 Barrow, Gentry.

Orientation

Dean of the College, Chairman; Dean of Women, President of the Student Government or his designated representative.

Publications

Dean, Treasurer, Director of Communications, Faculty advisers of *Old Gold and Black*, *Howler* and *Student;* 1968 Shoemaker, 1967 Mitchell, 1966 Kenion.

ROTC Board

Co-ordinator Black, Professor of Military Science, and the following faculty members: 1968 Helm, 1967 Preseren, 1966 Heath.

Schedule

Non-voting. Dean of the College, Registrar.
Voting. 1970 J. G. May, 1969 Yearns, 1968 Olive, 1967 Davis, 1966 Scott.

Scholarships and Student Aid

Dean of the College, Dean of Women, Director of Admissions, and the following faculty members: 1968 Chee, Heath; 1967 Higgins, W. G. May; 1966 Burroughs, Crisp.

Student Affairs

Non-voting. President, Dean of the College, Dean of Women, Chaplain, Director of Concerts and Lectures.
Voting. 1968 Bryan, Drake, Olive; 1967 Cook, Gregory, Waddill; 1966 Barnett, Dimmick, Prichard.

Teacher Education

Memory, Stroupe, Wilson; 1968 Amen, W. G. May; 1967 Barnett, Dodson; 1966 Aycock, King.

Faculty Marshals

1967 Prichard, 1966 P. J. Hamrick.

Faculty Council

President of the College, Chairman; Dean of the College, Dean of the School of Law, Dean of the Bowman Gray School of Medicine, Dean of the School of Business Administration, and the following, whose terms expire on December 31 of the year indicated:

Representatives of the School of Arts and Sciences: 1967 Blalock, Parcell; 1966 P. J. Hamrick, Nowell; 1965 Clonts, L. R. Tillett.

Representatives of the School of Law: 1967 Lauerman, 1965 Faris.

Representatives of the Bowman Gray School of Medicine: 1967 R. W. Prichard, 1965 R. L. Tuttle.

Representatives of the School of Business Administration: 1966 Hylton, 1965 Heath.

THE COLLEGE AND ITS EQUIPMENT

Historical Sketch

Historical Background. The history of the founding of Wake Forest College is inseparable from the history of the formation of the Baptist State Convention. One of the two main purposes which led to the organization of the convention in 1830 was to establish an educational institution that would give training under Christian influences and provide educated ministers and laymen.

Immediately after the formation of the Baptist State Convention, Dr. Samuel Wait, serving as agent for the Convention, began an intensive four-year educational campaign among the Baptists of the State. Two years later, in 1832, the Convention purchased from Dr. Calvin Jones a 600-acre farm sixteen miles north of Raleigh, to be used as a site for the proposed school.

Wake Forest Institute. Under the authorization of a charter granted by the State Legislature in December 1833, the school was opened as Wake Forest Institute on February 3, 1834, with Dr. Wait as principal. Although the primary purpose was to give collegiate instruction in the arts and sciences, for five years the Wake Forest Institute operated as a manual labor school, attracting liberal patronage from the large planters of the State, who wished their sons to receive practical training in agriculture, along with education in the liberal arts. In 1836 the enrollment had increased from the original 16 to 141.

The College. The manual labor feature was abandoned at the close of the year 1838, and the institution was rechartered in December 1838 as Wake Forest College.

With teachers who were graduates of Columbia

College, Brown University, and Dartmouth College, and with a liberal arts curriculum that was standard for the time, Wake Forest College conferred the degree of Bachelor of Arts upon four young men in June 1839.

From 1839 to 1894 the College operated exclusively as a college of liberal arts; the School of Law was established in June 1894, the School of Medicine in May 1902, the School of Business Administration in 1948, the Division of Evening Classes in 1957,* and the Division of Graduate Studies in 1961. In 1942 the College became co-educational.

The College has given instruction to many thousands of students and has sent them out into varied fields of service. Among these have been a large number of ministers, missionaries, lawyers, physicians, educators, writers, scientists, businessmen, farmers, and influential leaders in governmental affairs. From the beginning the College has made marked contributions to Christianity, to culture, and to a higher type of citizenship generally, in accordance with the original purpose of the founders of the institution.

In 1946 the Trustees of the College and the Baptist State Convention accepted an offer made by the Z. Smith Reynolds Foundation to give the College $350,000 annually in perpetuity for operation of the school on condition that it be moved to Winston-Salem and that other friends of the College provide a campus site and buildings. This decision was made three years after the College had undertaken an Enlargement Program to provide much needed buildings and other physical facilities on the old campus.

Mr. Charles H. Babcock and his wife, the late Mary Reynolds Babcock, contributed a part of the beautiful Reynolda Estate for the new campus. Ground-breaking

* This Division was discontinued June 30, 1964.

ceremonies were held on October 15, 1951, with the President of the United States delivering the principal address. The following spring actual construction began. Accompanying the construction was intensive fund-raising. In 1955 the Z. Smith Reynolds Foundation increased its annual payments to the College to $500,000. The actual move from Wake Forest to Winston-Salem took place in May and June of 1956. The Bowman Gray School of Medicine of the College had been moved to Winston-Salem in 1941 when it received the resources of the Bowman Gray Foundation.

Summer school opened on the new campus on June 18, 1956, the fall term on September 11 and formal dedication exercises were held on October 18. The old campus and buildings at Wake Forest were sold to the Southern Baptist Convention for use of the Southeastern Baptist Theological Seminary which now occupies the campus.

Administration and Instruction. The College is governed by a Board of Trustees which is elected by the North Carolina Baptist Convention. The Board has thirty-six members who serve four-year terms, with nine being chosen each year at the annual convention.

During its history of 131 years the College has been headed by a total of ten presidents, the administrations of four of these (Dr. Washington Manly Wingate, Dr. Charles E. Taylor, Dr. William Louis Poteat and Dr. Thurman D. Kitchin) covering a total of 88 years. The complete list of presidents,* with the dates of their administrations, follows:

Samuel Wait, D.D. 1834-45
William Hooper, D.D., LL.D. 1845-49
John Brown White, M.A. 1849-54

* During the years 1882-84, William Bailey Royall, B.A., M.A., D.D. (Professor of Greek), served as chairman of the Faculty.

Washington Manly Wingate, D.D.....1854-79
Thomas Henderson Pritchard, D.D.....1879-82
Charles Elisha Taylor, D.D., LL.D.....1884-1905
William Louis Poteat, LL.D., Litt.D.....1905-27
Francis Pendleton Gaines, Ph.D., Litt.D., LL.D.....1927-30
Thurman D. Kitchin, M.D., LL.D., F.A.C.P..1930-50
Harold Wayland Tribble, M.A., Th.M., Th.D., Ph.D., D.D., LL.D.....1950-

The growth and progress of the College are due in no small degree to the leadership of its presidents* and to the faculty of instruction, many of whom have rendered distinguished service for 30 years or more. These include: Dr. William Bailey Royall, professor of Greek, 62 years: Dr. William Louis Poteat, Biology, 55 years; Dr. Benjamin F. Sledd, English, 50 years; Prof. Edgar W. Timberlake, Law, 50 years; Dr. J. Hendren Gorrell, Modern Languages, 45 years; Dr. Hubert McNeill Poteat, Latin, 44 years; Dr. Needham Y. Gulley, Law, 44 years; Dr. George W. Paschal, Classical Languages, 43 years; and Dr. W. R. Cullom, Religion, 42 years. Dr. D. B. Bryan served as Professor of Education for 36 years and Dean of the College for 34 years. Mr. Elliott B. Earnshaw served as Bursar for 45 years. Of the present faculty, eighteen have served more than thirty years, including the following who became emeriti after serving thirty-five years or more: Prof. Hubert A. Jones taught Mathematics for 51 years; Dr. Henry Broadus Jones, English, 35 years; Dr. Ora C. Bradbury, Biology, 36 years; Dr. J. Allen Easley, Religion, 31 years; and Prof. Kenneth T. Raynor, Mathematics, 35 years. Mrs. Ethel Taylor Crittenden retired in 1946 after 31 years as Librarian. In a word, the College has enlisted and

* Those interested in more specific information are referred to the three-volume *History of Wake Forest College* by Dr. George W. Paschal.

retained throughout their teaching careers men who have devoted themselves to the College and to its ideals of culture and Christian leadership.

Purposes and Objectives

As an institution founded by the Baptist State Convention of North Carolina, Wake Forest College seeks to shape its goals, policies, and practices by Christian ideals. It seeks to help its students become mature, well-informed and responsible persons. It seeks to introduce its students to the cultural heritage of our times, through a broad study of the humanities, the natural and social sciences and mathematics, and through a concentration in at least one academic discipline. It seeks to develop in its students the ability to think honestly and clearly, to use the English language correctly, and to use at least one foreign language effectively. It seeks to assist its students in building a system of values which takes full account of the things of the spirit as well as things material that they may become constructive and useful members of society. Finally, it seeks to aid its students in achieving for themselves a vital and relevant faith.

These purposes underlie the College's total academic program. Through them the College seeks to prepare its students for careers in teaching, the ministry, law, medicine, business, research, and other professions.

Religious Program

Wake Forest College is, by heritage and by choice, a Christian College, affiliated with the Baptist State Convention of North Carolina. The College recognizes that to call itself Christian is to declare a purpose and express an ideal more than it is to claim an accomplishment. Nevertheless, it will never let its failure to

achieve perfection in this ideal be any other than a challenge to intensify its effort.

Traditionally, the student body has been cosmopolitan, not only in terms of the communities and states from which the students come, but also in terms of background, outlook and religious affiliation. Wake Forest believes in individual freedom, not as a right, but as a responsibility . . . freedom to be and, more important, to become. Attendance at Wake Forest is a privilege, not a right. The College's traditions and principles, accepted by each student in his act of voluntary registration, evolve from the core of this concept of freedom and responsibility that are indivisible. Therefore, it is presumed that the student who elects to come to Wake Forest does so with the intent of being, in fact and spirit, a cooperating member of this community.

Wake Forest attempts to maintain a wholesome Christian atmosphere in which students are given every encouragement to develop their spiritual lives to the highest possible potential. Wait Chapel, named for the first President who led the students in prayers and devotions twice daily from the beginning of the life of the College, is the center of the campus both physically and symbolically. It is a beautiful and inspiring testimony to the place of religion in the well-balanced life. Its beautiful sanctuary is the scene for twice-weekly chapel programs which are under the direction of the Chaplain of the College, assisted by a committee of students who are selected for the task by their fellow students. These programs provide worship opportunities for students and faculty, the presentation of great ideas within the context of spiritual values and, in a very real sense, constitute one way in which the College keeps constantly before itself and its constituency its own proclamation of faith in and commitment to the

Christian Gospel. While students are in no sense required to embrace the ideas and beliefs which may be presented in these Chapel programs, attendance is required of all students and their respectful and courteous attention is expected.

In keeping with a tradition dating back to 1835, there is a Baptist Church on the campus which meets in regular services each Sunday in the Chapel. This church provides all the ministries and services common to Baptist Churches and, though not officially connected with the College, offers a most cordial welcome to faculty and students alike. In addition, every encouragement is given to students to avail themselves of the ministries and opportunities provided by the churches of Winston-Salem.

Academically, the College has a Department of Religion, full information concerning which may be found elsewhere in this catalogue. A minimum of six hours in Religion is required of all students for graduation.

The Chaplain of the College seeks to interpret the place of religion in culture and society and, particularly, the significance of Christian Education. He seeks to minister to students and faculty in all ways. In addition, he serves the College in helping to develop effective communication with its constituency. The Chaplain's office also encourages students to translate their worship into effective Christian living. A rich program of activities is offered to challenge their interests and meet their needs. These activities are developed both in terms of campus-wide emphases, such as Religion in Life Week, and in terms of group organizations and programs. Students of various faiths and denominations are organized and assisted by their own chaplains or advisers. The Chaplain seeks to coordinate these

groups and encourage them both individually and collectively to promote a vital religious experience.

In short, Wake Forest College believes that because men may they must " . . . increase in wisdom and stature and in favor with God and man!" and its constantly developing efforts in the area of religion are designed to encourage and assist this growth.

Endowment

In 1865 the endowment fund of Wake Forest College was $11,700, the remnant from the wreck of war. In 1876, through the efforts of Dr. C. E. Taylor and Mr. James S. Purefoy, about $20,000 was added to the endowment. By January 1, 1884, Dr. Taylor had increased the endowment to $100,000 and had raised up a generous friend of the College in Mr. Jabez A. Bostwick, of New York City. In 1885 Mr. Bostwick created the Bostwick Loan Fund by a gift of $12,000 and in 1886 made a further gift of $50,000. In 1891 Dr. Taylor raised, by subscription and still another gift of Mr. Bostwick, the sum of $40,000. Under the terms of the will of Mr. Bostwick, dating from February 1, 1892, the endowment was increased, in 1923, by stock valued at about $1,500,000. From 1906 to 1910 Professor J. B. Carlyle undertook to raise $150,000. Of this sum $117,798.56 was realized, of which the General Education Board of New York contributed a fourth. More than $100,000 was added by receipts from the Seventy-five Million Campaign and the pro rata contribution of the General Education Board. On November 20, 1925, Mr. B. N. Duke, of New York City, made a generous donation to the endowment of 1,000 shares of Duke Power Company stock valued at $150,000. On August 3, 1939, the resources of the Bowman Gray Foundation were awarded to Wake Forest Col-

lege, to be used exclusively by the School of Medicine.

The Chair of the Bible, known as the Albritton Chair of the Bible, is provided by a gift of $25,000.00 contributed in 1919 by the children of the Reverend John T. Albritton and $25,000.00 by the Eastern Baptist Association.

On December 21, 1946, eighteen-thirty-fifths of the income from the James A. Gray Trust Fund was made available to the School of Medicine for the general furtherance of teaching and research.

The total endowment funds now controlled by the College amount to approximately $8,416,000 (book value as of June 30, 1964).

The Trustees of The Z. Smith Reynolds Foundation, Inc., and The Trustees of Wake Forest College entered into a contract on November 16, 1946, whereby the Foundation made available to the College income of the Foundation up to $350,000 per year in perpetuity, this sum being increased to $500,000 in 1955. The income so received was applied to the costs of construction on the new campus prior to the time of removal in 1956 and thereafter to the cost of operations.

The College holds a beneficial interest of one-fourth of the income of the Mary K. Fassett Trust Fund established by Dr. Burton W. Fassett of Durham, N. C. this interest to increase when the principal of the fund reaches a specified amount.

The College holds a beneficial interest of 41% of the income of the Lucy Teague Fassett Memorial Trust Fund, also established by Dr. Fassett, this interest to increase when the principal of the fund reaches a specified amount.

Under the terms of the will of Colonel George Foster Hankins of Lexington, North Carolina, who died in 1954, The George Foster Hankins Foundation was

established, to be managed and controlled by The Trustees of Wake Forest College. The income of the Foundation is to be used for scholarships and loan funds in aid of worthy and deserving students displaying promise and ability who might be denied a college education because of lack of means, with preference in the award of scholarships and loans to be given to applicants from Davidson County, North Carolina. The assets of the Foundation on June 30, 1964, at book value amounted to approximately $1,282,000.

Babcock Professorship of Botany

The Babcock Professorship of Botany is endowed by the Mary Reynolds Babcock Foundation through a grant made in 1958. Under the provisions of this grant, Dr. Walter S. Flory is serving as Babcock Professor of Botany.

Buildings and Grounds

The physical equipment of the College includes about 456 acres of land and 17 buildings. There are, in addition, a president's home, ten faculty apartment buildings housing seventy-two separate families, and two buildings containing fifty-six apartments for married students. Construction on the campus was begun in 1952 and it was occupied for the first time beginning with the summer session of 1956. The buildings are of modified Georgian architecture, constructed of Old Virginia brick and trimmed in granite and limestone. Situated on beautifully landscaped hills, the campus is one of the most attractive in the South.

The Reynolda Gardens, consisting of a tract of approximately 97 acres, is situated south of the campus. This tract includes a formal garden, greenhouses, parking areas, a lake, and a wooded area with trails. The

formal garden features one of the finest collections of Japanese cherry trees in the United States. This area of natural beauty was a gift to the College from the Mary Reynolds Babcock Foundation through transfers made in 1958, 1961, and 1963.

Academic Buildings

Wait Chapel. Located at the head of the campus plaza is Wait Chapel, so designated in memory of the first President of Wake Forest College, Samuel Wait. Its spire towers two hundred and thirty feet into the air and its auditorium has a seating capacity of twenty-five hundred. A four-manual pipe organ and choir space for one hundred members are a part of the equipment. Wait Chapel faces toward the south, overlooking the plaza, with Reynolda Hall in the foreground and four large dormitories for men at right and left.

Wingate Hall. Attached to Wait Chapel on the northern end is a four-story building for the Department of Religion and for educational purposes of a campus church. This part of the building has been named in honor of Washington Manly Wingate, President of Wake Forest College, 1854-1879. In addition to classrooms and offices for professors, there is the Paul Price Davis Meditation Chapel, equipped with pews and other facilities, for the use of small groups. There is also in the basement an assembly room accommodating about three hundred people and equipped with stage and dressing rooms.

Reynolda Hall. Located at the southern end of the plaza area and facing Wait Chapel is Reynolda Hall, administration and student center. A wing on the west end accommodates administrative offices of the College; a wing of similar size on the east end fur-

nishes facilities for student organizations and activities. On the ground floor, facing south, is the cafeteria, equipped for seating at one time one thousand people and for serving four lines. Behind the cafeteria are kitchens, refrigeration units, and storage rooms. On the floor above are lounges and conference rooms. On the third floor are a large banquet room and space which will be used temporarily for classrooms and offices for professors. A fourth floor contains a number of classrooms.

The Z. Smith Reynolds Library. Situated at the center of the academic campus, this building contains space for eight tiers of book stacks, with a capacity for about one million volumes. Surrounding the book stacks are four floors of rooms for reading, reference, and various other uses of a modern library. Some of the space in this building is to be used for a few years for classrooms and offices.

Salem Hall. Directly west of the Library, this three-story building contains laboratories, classrooms, and offices, as well as a large lecture room and ample storage space, for the departments of chemistry and physics.

Winston Hall. This three-story building, just west of Salem Hall, was completed and occupied in September 1961. It provides classrooms, laboratories, faculty offices, seminar rooms, and a small auditorium for the departments of biology and psychology.

The W. N. Reynolds Gymnasium. Located just east of Reynolda Hall, this building is equipped with classrooms for instruction in physical education, courts for basketball and other indoor sports, a swimming pool, offices for members of the faculty of the Department of Physical Education and of the Department of Athletics. Here

also, is housed the Department of Military Science No provision is made in this building for large spectator facilities, since the near-by Memorial Coliseum will be used for intercollegiate basketball games and other indoor sports. On either side of the Gymnasium are sports fields and courts for tennis, handball, and volleyball.

Law Building. At the opposite end of the campus from Winston Hall is located the building for the School of Law. It is a four-story structure, containing classrooms, offices, a moot court, an assembly room, a library, a seminar room, a law review room, and a student lounge.

General Classroom Building. Southeast of the Library, this is the first of two large classroom buildings to accommodate the social sciences and the humanities. It is a four-story building, containing classrooms, faculty offices, seminar and lecture rooms, a small projection theater, the philosophy library, and a main lecture room seating 200.

Residence Buildings

Dormitories for Men. Bordering the plaza area on the east and the west are four quadrangles of dormitories for men, with accommodations for fifteen hundred students. The dormitories are named in honor of Charles Elisha Taylor, William Louis Poteat, and Thurman Delna Kitchin, former Presidents of Wake Forest College, and Egbert Lawrence Davis, a benefactor of the College. Each quadrangle contains three main floors with open galleries overlooking the quadrangles. From these galleries are entrances to the suites of rooms each of which is occupied by a small group of students. Connecting the Poteat and Taylor Dormitories with the Chapel

entrance are two wings, equipped to accommodate about one hundred students each. One of these wings is Efird Hall, in honor of Mr. J. B. Efird of Charlotte, and another, Huffman Hall, in honor of Mr. Frank Huffman of Morganton. Facing the plaza are a post office, a bank, a drug store, a book store, and a number of shops, all housed in these dormitories.

Dormitories for Women. At the southern end of the campus, facing Reynolda Hall, are three dormitories for women accommodating six hundred eight students, that on the east being named in honor of Mr. Jabez A. Bostwick, one of the chief benefactors of the College, that in the center being named Lois Johnson Dormitory in honor of Miss Lois Johnson, first Dean of Women of Wake Forest College, and that on the west being named Mary Reynolds Babcock Dormitory, in honor of the late Mrs. Charles H. Babcock, a chief benefactor of the College.

Both double and single rooms are available for students. A kitchen is located in each building, and a launderette is provided on each floor of each building. A large lounge is located on the first floor of each building.

The Power Plant, connected by tunnels with all buildings on the campus, is located on a lower level northwest of the athletic fields. Attractive and modern in design, it is equipped with two massive boilers that furnish heat and hot water for all buildings, including the faculty apartments, and is the basis of the air-conditioning system installed in Wait Chapel, Reynolda Hall, the Z. Smith Reynolds Library, Winston Hall, Salem Hall, the Law Building, and the Gymnasium.

The Maintenance Building. Located in close proximity to the power plant to the south is the maintenance

building for the purpose of making repairs and constructing many things essential to the operation of the various departments of the College.

Libraries

In its several libraries the College possesses a total of 253,200 volumes, not including several thousand United States Government publications. These volumes are distributed as follows: the Z. Smith Reynolds Library (general), 179,341; the Library of the School of Law, 33,100; and the Library of the Bowman Gray School of Medicine, 40,759.

The books which constitute the Z. Smith Reynolds Library have been chosen principally to serve three basic purposes. It is considered essential, in the first place, to develop and service a library which will support both a liberal arts and a limited graduate program. Furthermore, in keeping with the position of the College as an integral part of the North Carolina Baptist organization, a Baptist Collection, now including more than 5,000 items, is maintained. Substantial files of Baptist newspapers and periodicals, and manuscript records of many individual churches are included. Finally, to provide material for the study of North Carolina and the Southeastern region, a workable collection of North Caroliniana and materials concerning neighboring states has been promoted. The generosity of certain individuals has made possible the special collections mentioned below.

The late Dr. Charles Lee Smith of Raleigh, an alumnus and life-long bibliophile, bequeathed his personal library to the College. It is a collection of more than 7,000 volumes rich in first editions and important association items. Funds from a bequest of his brother, the late Oscar T. Smith of Baltimore, are used for the

purchase of similar materials, although such acquisitions are shelved apart from the Charles Lee Smith library itself.

The Paschal Collection was established Christmas 1950 by George W. Paschal, Jr., 1927, Raleigh surgeon, in recognition of the interest in the Library manifested by his father, George Washington Paschal, and also in memory of his father's twin brother, Robert Lee Paschal. The Collection is regularly enlarged and, although heterogeneous in nature, primarily contains material relating to the humanities. The aim of the founder of the Collection is to add to the working efficiency of the Library. While this collection is principally supported by the donor, it has also received and welcomes contributions from interested friends. A special bookplate is used for items acquired for the Collection.

To acquire the more important editions of the works of Edmund Spenser, together with significant background titles, a sum of money has been contributed by Dr. Charles G. Smith of Baylor University in honor of his wife, Cornelia Marschall Smith. A fund established by the late Dr. Herman Harrell Horne of New York University is applied to the purchase of general titles of particular value to undergraduate instruction.

Other groups of books, smaller but no less significant than those mentioned above, may be found in the Library. The late Dr. B. W. Spilman both financed and otherwise encouraged the collection of books whose authors are alumni of the College. Through participation in the McGregor Plan, an arrangement whereby funds provided by the late Mr. Tracy McGregor were made available to a selected group of colleges and universities for the purchase of rare Americana, the Library has acquired a valuable col-

lection of works belonging to the colonial and early national periods of American history. As a United States Government depository the Library has available the more important documents issued by the various governmental agencies. As the result of a gift from the Carnegie Corporation the Library contains about 2,500 excellent photographs and many books pertaining to the history of painting, sculpture, and architecture. A group of more than a thousand bookplates was contributed by Mrs. Clara T. Evans of New York City.

The Library of the School of Law contains 33,100 volumes, including not only the reports, statutes, and digests required by the American Association of Law Schools but also the leading textbooks, encyclopedias, and periodicals.

The Library of the Bowman Gray School of Medicine is a collection of 40,759 volumes which provides the books, periodicals, and monographs necessary to instruction and research in medical theory and practice. More than 1,000 current periodicals, both domestic and foreign, are received.

The Spilman Philosophy Seminar contains a carefully selected group of books for the use of advanced students in philosophy. Although not supported by Library funds but based upon an endowment given by the late Dr. B. W. Spilman and upon the newly established A. C. Reid Philosophy Fund, it forms a valuable part of the book resources of the College.

The Library of the Military Science Department which is located on the ground floor of the Gymnasium has available for student use over two thousand books and magazines. In addition to major military conflicts involving the United States, the subject matter covers

such matters as communism, the "Cold War," counter-insurgency and anti-guerrilla warefare, as well as foreign policy, nuclear warfare and space activities.

Art Museum

The Museum of Art is made up mainly of the T. J. Simmons Collection, presented to the College by the late Dr. Thomas Jackson Simmons of Gainesville, Ga., and formally opened to the public on June 2, 1941. Including some additions, there are about sixty paintings, thirty-five etchings and lithographs, five pieces of sculpture, and several other art objects in the collection.

The Museum was enriched in 1957 by three paintings from the Hammer Galleries given by Mr. Arnold Kirkeby, and in 1960 by two paintings given by Mr. Clark Hartwell and three by Mrs. April Ruth Akston. Nearly all of the paintings are hung in public areas of various buildings on the campus.

ADMISSION

A candidate for admission to Wake Forest College must furnish testimonials of good moral character, must present evidences of educational achievement represented by graduation from an accredited public high school or an accredited private secondary school, and must present a senior year score in the Scholastic Aptitude (Morning) Test of the College Entrance Examination Board. The record of the work done by the applicant in high school or in a private secondary school and the recommendations of the school official must be sent direct to the Director of Admissions of Wake Forest College by an official of the school, and the test scores must be sent from the test center. They may not be submitted by the applicant.

Information about the times and places at which the College Board test may be taken and an application for taking the test may be secured from the high school or from College Entrance Examination Board, Box 592, Princeton, New Jersey.

Careful consideration will be given to the applicant's academic records, scores on tests, and evidences of character, purpose in life, and general fitness for college life at Wake Forest College. The College reserves the right to reject any application without explanation.

A student who wishes to be considered for transfer from another college must be a graduate of a standard junior college or must furnish a certificate of honorable dismissal stating that the applicant is eligible in all respects to re-enter the college last attended, and have an overall average of at least C on all college work attempted.*

The applicant should fill out and return as early as

* Please see academic requirements for graduation, especially for one who has attended more than one college before applying for admission to Wake Forest College.

practical the student's part of the application, and should then give to the high school principal, superintendent, or other appropriate school official the other parts to be completed and sent to the Director of Admissions of Wake Forest College for the attention of the Committee on Admissions.

An application fee of $10.00 to cover the cost of processing the application is required. This should accompany the application and will not be applied to later charges or refunded, in the event of failure to be admitted or of cancellation of the application.

If possible, the completed application should be sent at least seven months prior to the date on which the applicant hopes to enroll in Wake Forest College, but not before September 15 of the applicant's senior year in high school. Except in case of emergency, the final date for making application for the spring semester is January 15; for the fall semester, August 15.

The minimum prescribed requirements for admission to all degree are as follows:

English	4 units
One Foreign Language	2 units
History (Social Studies)	2 units
Mathematics:	
Algebra	1½ or 2 units
Geometry	1 unit
Electives to bring the total to 16 units	

A student who is admitted from another college before fully meeting the minimum prescribed requirements outlined above for entering freshmen must remove the entrance conditions during the first year at Wake Forest.

When an applicant has received notice of acceptance for admission or re-admission to Wake Forest College, an admission deposit of $50.00 must be sent to the Director

of Admissions of Wake Forest College not later than three weeks after the notice of acceptance is mailed. (Make checks payable to Wake Forest College.) Failure to pay this deposit within three weeks will be considered as indicating that the applicant does not intend to enter Wake Forest College. This deposit will be credited toward the applicant's college fees. It will be refunded, if the application for admission or re-admission is cancelled by the applicant and a written request for refund is received by the Director of Admissions of Wake Forest College not later than June 1 for the fall semester or November 1 for the spring semester, Refunds will not be made after these dates.

If a student is accepted for admission or re-admission after June 1 for the fall semester or after November 1 for the spring semester, the admission deposit is due within two weeks of the date of acceptance. Deposits made after June 1 and November 1 are not refundable.

No deposit is required of a student who expects to enroll for the summer session only.

The Early Decision Plan

This plan is available to well qualified high school students who at the close of their junior years have definitely decided that their first choice college is Wake Forest.

The application for early decision must be filed by October 1 of the applicant's senior year in high school. It must include the high school record through the junior year, scores on the Scholastic Aptitude Test of the College Entrance Examination Board and scores on three achievement tests: (1) English Composition, (2) Mathematics or foreign language, (3) one to be chosen by the applicant. Preferably, these tests should be taken in March or May of the junior year.

In early November, the Committee on Admissions will make decisions on completed applications. If an applicant is accepted, the required deposit must be paid not later than January 1. Those not admitted by early decision will be asked to submit a senior year Scholastic Aptitude Test score and the first semester's grades of their senior year, or they will be advised to apply elsewhere.

Advanced Placement

Wake Forest College recognizes college-level work done in high school by giving credit and placement on the basis of Advanced Placement Examinations of the College Entrance Examination Board and such pertinent supplementary information as may be available.

Exceptionally qualified applicants for advanced standing may receive exemption from some basic courses with credit on the authorization of the department concerned. For the purposes of computing quality point ratios, etc., credit gained by advanced standing examination is treated as credit transferred to Wake Forest College from another college.

Admission to Advanced Standing

Courses satisfactorily completed in other accredited colleges are accepted under the regulations that have been adopted by the faculty for the approval of such courses. In general, however, no credit is allowed for courses not found in the curriculum of Wake Forest College. All credits allowed for advanced standing are held in suspense until the candidate has spent one term in residence. The minimum residence requirement for a baccalaureate degree is two acadenic years—the senior year and one other.

COLLEGE CHARGES AND FINANCIAL ARRANGEMENTS

(Veterans: See statement on page 108)

General Statement. Statements in this Bulletin concerning expenses are not to be regarded as forming an irrevocable contract between the student and the College. The College reserves the right to change without notice the cost of instruction at any time within the student's term of residence.

Payment of Account. Charges are due in full not later than the date of registration and deferment after that date is not permitted. Charges may be paid either at that time or may be prepaid before the student's arrival on the campus. Information concerning prepayment will be mailed to all students prior to the beginning of each semester.

Those who cannot pay in accordance with the foregoing terms or who find it necessary to finance college charges on an installment basis may write to the Treasurer for information concerning the Wake Forest Tuition Payment Plan, which carries a small interest charge. Information concerning college tuition financing plans may also be obtained from First-Citizens Bank and Trust Company, Charlotte, North Carolina, or The Tuition Plan, Inc., 1 Park Avenue, New York, N. Y. 10016.

Student Responsibility for Accounts. Each student is responsible for the settlement of his own account. Beginning on page 55 statements of charges are listed, and the student is expected to meet the schedules of payment therefor and to settle promptly all bills rendered.

The College expects students to pay tuition and other charges when due or to arrange financing of charges as explained in the preceding section.

Faculty regulations require that a student's College account must be settled in full before he is entitled to receive his grades, a transcript of his record, a diploma, or to register for the succeeding semester.

Withdrawal. Students withdrawing must follow the procedure set forth on page 100 and must present their identification cards to the Treasurer before any claim for refund may be considered. No refund of dormitory room rent is made. Refund of tuition is made according to the following table:

Number of Weeks Attendance*	Percentage of Total Tuition to be Refunded
1	Total tuition less $50
2	85%
3	70%
4	55%
5	40%
6	25%
7	10%

Bank Accounts and Check-Cashing. Students will greatly facilitate their financial arrangements by opening a checking account with the Wake Forest office of the Wachovia Bank and Trust Company, located on the campus, since the College cannot undertake to cash checks.

Checks and money orders presented in payment of accounts should be made payable to WAKE FOREST COLLEGE.

A cafeteria is located on the campus. Meals may be purchased individually or under an optional board plan. A student obtaining meals individually may expect to pay about $400-$450 for the school year. A.R.A. Slater School and College Services, which serves the College's dining needs, offers a contractual board plan

* Counting from the first day of registration and fractions of a week to count as a full week.

arrangement whereby a student may cut his food expense at college by one-third. This is a prepayment plan of one or two installments each semester to insure the student a well rounded diet of his own choosing. Both cafeteria and table service are available on this plan with a free choice of menu. For further details write to A. R. A. Slater School and College Services, Box 7393, Reynolda Station, Winston-Salem, North Carolina 27106.

Books and supplies are available at the College Book Store, located on the campus. The estimated cost is $75-$100 for the school year, depending on the courses for which the student is enrolled.

Laundry is arranged for privately. A laundry operated by a Winston-Salem firm is located in Charles E. Taylor Dormitory.

School of Arts and Sciences and School of Business Administration

Charges for the Regular School Year

All charges are due and payable at registration unless otherwise indicated.

	Fall Semester	*Spring Semester*	*Total for Year*
Tuition[1]	$425.00	$425.00	$850.00
Dormitory Room Rental	110.00[2]	110.00[2]	220.00
College Union Fee	3.00	3.00	6.00
	$538.00	$538.00	$1,076.00

Deduct admission deposit ($50.00) or reservation deposit ($50.00) from above charges, if such deposits are paid. See Pages 51, 58.

[1] Part-time students (those enrolled for less than 12 semester hours) pay a flat charge of $25.00 per semester hour in lieu of tuition, Part-time students are not entitled to claim the concessions listed on page 76 nor are they entitled to admission to athletic contests, receipt of publications or infirmary privileges, as are full-time students.

[2] $135.00 for single room and $160.00 for double room occupied as single room. $75.00 for each occupant of a triple room.

Tuition is intended to bear in part the total cost of operations of the College. It specifically includes such items as would normally require the payment of a fee, namely, libraries, laboratories, admission to all intercollegiate athletic contents at Wake Forest College (when student activity book is presented), and to certain student activities, including religious and dramatic organizations, cost of student publications, consisting of the yearbook, *The Howler*, and the subscription price of $2.50 annually for the student newspaper, *Old Gold & Black*. It further provides for the attendance of the College physician and nurses in the College hospital for temporary emergencies.

The *College Union fee* is required of all students at registration. It is intended to bear in part the total cost of the operation of the College Union (see page 91).

Charges for the Summer Session

A bulletin of the Summer Session is published in March of each year and may be obtained by writing Dean of the Summer Session, Box 7293, Wake Forest College, Winston-Salem, North Carolina 27106. This bulletin should be consulted for detailed information concerning charges and courses.

All charges are due and payable at registration.

	First Session	*Second Session*	*Total*
Summer School Fee[1]	$ 75.00[2]	$ 75.00[2]	$150.00
Dormitory Room Rental	30.00	30.00	60.00
TOTAL	$105.00	$105.00	$210.00

[1] Part-time students (those enrolled for 3 semester hours or less) pay a flat charge of $12.50 per semester hour plus a $5.00 registration fee.

[2] No concessions or scholarships are available in the summer session, except that the charge to public school teachers is $45.00 per session when duly authorized by the Dean of the Summer Session.

School of Law

Charges for the Regular School Year

The Bulletin of the School of Law should be consulted for detailed information. A copy may be obtained by addressing the Dean of the School of Law, Box 7206, Wake Forest College, Winston-Salem, North Carolina 27106.

All charges are due and payable at registration.

	Fall Semester	*Spring Semester*	*Total for Year*
Tuition[1]	$325.00	$325.00	$650.00
Dormitory Room Rental	110.00[2]	110.00[2]	220.00
Student Bar Association Dues	4.00	4.00	8.00
	$439.00	$439.00	$878.00

Deduct admission deposit or reservation deposit from above charge, if such deposits are paid. See pages 51, 58.

Students in the School of Law have the same privileges as those described on page 56.

Charges for the Summer Session

The summer term in the School of Law consists of one nine-week session.

Tuition[3]	$162.50
Dormitory Room Rental	40.00
TOTAL	$202.50

[1] Part-time students (those enrolled for 7 semester hours or less) pay a flat charge of $162.50.

[2] $135.00 for single room and $160.00 for double room occupied as single room. $75.00 for each occupant of a triple room.

[3] Part-time students (those enrolled for 3 semester hours or less) pay a flat charge of $81.25.

Bowman Gray School of Medicine

The Bulletin of the Bowman Gray School of Medicine should be consulted for information as to expenses. Requests therefor should be addressed to the Dean of the Bowman Gray School of Medicine of Wake Forest College, Winston-Salem, North Carolina 27103.

Division of Graduate Studies

The Bulletin of the Division of Graduate Studies should be consulted for information as to expenses. Requests therefor should be addressed to the Director of Graduate Studies, Wake Forest College, Winston-Salem, North Carolina 27106.

Other College Charges

Information concerning the charges listed below will be found immediately following the table.

*Admission Application Fee..... $10.00
*Admission Deposit..... 50.00

Applied Music.
(Amounts shown are per semester):
One hour lesson per week.... $72.00
One half hour lesson per week 40.00
Class instruction (maximum fee per student)..... 30.00
Practice studio (with piano) rental per semester (one hour daily) $ 6.00
Practice studio (with piano) rental per semester (two hours daily) 10.00
Organ practice per semester (one hour daily)..... 10.00

* Not required in the Summer Session.

Organ practice per semester (two hours daily)	$14.00
Other instrument rental per semester	5.00
Dormitory Damage and Repairs	As charged by Director of Residences
Graduation Fee (Arts and Sciences, Business Administration, Law)	10.00
Graduation Fee (Graduate Studies)	25.00
Hospital Bed and Board Charge	6.00 daily
Key Deposit	3.00 each
Library Fines	As charged by Library
*Reservation Deposit	50.00
Room Change Fees:	
Authorized Changes	5.00
Unauthorized Changes	20.00
ROTC Deposit:	
Freshmen and Sophomore	20.00
Special Examination	2.50
Student Apartment Rental	60.00 monthly
Traffic Fines:	
Vehicle Registration Fee	2.00
Unregistered Vehicle	10.00 per violation
Illegal Parking	2.00 per violation
Trailer Park Rental:	
Per Semester	30.00
Per Summer Term	10.00
Transcripts (first copy is free)	1.00 each

Admission Application Fee. Required with each application for admission to the School of Arts and Sciences to cover costs of processing. Non-refundable.

* Not required in the Summer Session.

Admission Deposit. Required of each student entering for the first time, or re-entering after a period of non-attendance, the School of Arts and Sciences and the School of Law. Must be sent to the Director of Admissions (or to the Treasurer, in the case of law students) within three weeks after acceptance for admission or readmission. The deposit is credited to the student's college charges for the semester for which he has been accepted for admission. It is refunded if the Director of Admissions (or the Dean of the School of Law in the case of law students) is notified in writing prior to June 1 for the fall semester and November 1 for the spring semester, of cancellation of plans to enter. No officer of the College has authority to modify these refund dates.

Applied Music. Required *in addition to tuition* of students enrolling for individual or class study in applied music as described in the offering of the Department of Music (p. 198). Payable in the Treasurer's office not later than November 1 and March 1, respectively, for the fall and spring semesters.

Dormitory Damages and Repairs. The student is charged for damage to his room or college property in accordance with Dormitory Rule 4 appearing on page 65. These charges may be appealed to the Board of Dormitory Damage Appeals if the student feels they are not merited.

Graduation Fee. Required of all students who are candidates for degrees, whether or not they are present for the graduation exercises, and must be paid prior to the date of graduation. Covers the cost of diploma, academic costume, and other expenses pertaining to graduation.

Hospital Bed and Board Charge. Charged to students when confined to the College Hospital. An additional

charge is made for special surgeon or special nurse, when their services are required, and for special and expensive drugs. The provision for hospital service and the attendance of a physician applies to the student only and cannot be extended to members of his family.

Key Deposit. Required for each key issued to a dormitory room or student apartment. Refunded when key is returned to the Director of Residences.

Library Fines. Charges for overdue and lost books and for violation of other Library regulations. Payable in the Library.

Reservation Deposit. Students enrolled in the spring semester who expect to return for the next regular session beginning in September are required to pay a reservation deposit at a date set by the Treasurer. It is credited to the student's college charges and will be refunded under the same conditions specified for the admission deposit, except that refunds will be made if requested prior to June 30.

An undergraduate student who fails to pay the $50 reservation deposit at the required time (see calendar on page 3) during the spring semester shall not be eligible to register for the next fall semester.

Room Change Fees. A charge of $5.00 is incurred for authorized room changes made after October 1 in the fall semester, after February 15 in the spring semester, and after the first week of each summer session. An authorized room change is one which has been made with the permission of the Director of Residences or the Dean of Women, as appropriate. A fine of $20.00 is incurred for any unauthorized change.

ROTC Deposit. Required of each student enrolled in ROTC before equipment may be issued to him.

Refunded at the end of the school year or upon withdrawal from the course, less any loss or damage, fair wear and tear excepted. If loss or damage exceeds $20.00 the deposit is forfeited, and the student is responsible for the excess over $20.00.

Special Examination. Required for each special examination taken to remove a course condition.

Student Apartment Rental. Required to be paid monthly in accordance with written lease executed for the apartment between the student and the Director of Residences acting on behalf of the College.

Traffic Fines. Assessed against students violating parking regulations, copies of which are obtainable from the Superintendent of Buildings and Grounds. May be appealed to the Board of Traffic Appeals.

Trailer Park Rental. Required to be paid in accordance with written lease executed for college trailer park space between the student and the Director of Residences acting on behalf of the College.

Transcripts. The first copy of a student's record is issued for him without charge. Requests for subsequent copies should be made to the Registrar by the owner of the record, and should be accompanied by a remittance of one dollar for each copy desired.

Food Services

Three types of food services are offered to the students of Wake Forest College—cafeteria, grill, and table service. The cafeteria menus feature a multiple choice planned and supervised by a trained home economist. The grill with its soda shop operates until 10:30 p.m. in the evening and is a favorite spot for students to gather.

The Magnolia Room is the table service dining room giving the students a quiet place to enjoy eating and offering a menu with greater variety, as well as foods prepared to order. The average student spends from $1.65-$2.00 per day for food, exclusive of soda shop purchases, but a board plan is available (page 54).

Housing

All unmarried undergraduate students who do not live in Winston-Salem or near Winston-Salem with their parents must live on the campus unless given permission in writing to the contrary by the Dean of Men or the Dean of Women.

Student Apartments and Trailer Park

An apartment building containing fifty-six apartments is located on the northwest edge of the campus. A trailer park containing fifty-five spaces is located on the east side of the campus. The apartment and trailer park are available for married couples, who must actually reside therein.

Application for apartment and trailer space must be made to the Director of Residences, who maintains a waiting list. Assignment is made in order of priority of application, and a lease is executed by the student and the College.

Apartment and trailer space is available only to bona fide students of Wake Forest College.

Rooms—Men

The rent is $110.00 per semester per student due and payable at registration and may not be deferred. The rental for a single room is $135.00 per semester and for a double room occupied as a single room $160.00

per semester. When three persons occupy the room, the charge is $75.00 per occupant. Room rental is not refunded upon withdrawal.

See below for the rules governing the use of dormitory rooms.

Rooms—Women

Married women students are not ordinarily permitted to live in the dormitories. Single women students in the professional schools may live in quarters approved by the Dean of Women.

The assignment of rooms to women students is made by the Dean of Women after admission requirements have been completed. Notification of assignments is generally made in the summer preceding the opening of the session in September.

The rent is $110.00 per semester per student, due and payable at registration, and may not be deferred. The rental for a single room is $135.00 per semester and for a double room occupied as a single room $160.00 per semester. Room rental is not refunded upon withdrawal.

See below for the rules governing the use of dormitory rooms.

Dormitory Rules

The following rules apply to the use of dormitory rooms:

1. The period for which rooms are rented is one semester; however, any student remaining in the same room for the second semester will not need to sign a new room contract as the contract provides for automatic renewal to cover the room assignment for the second semester. The College reserves the right to change or cancel room assignments in the interest of order, health, discipline, or other urgent reasons.

Each student, in accepting his/her assignment, agrees to abide by the room contract, the Constitution of the Student Body, and the dormitory regulations printed on the reverse side of the contract, and to permit, in his presence, duly authorized personnel to inspect his room and any effects in such room. Authorized personnel may enter rooms at any time to check for cleanliness or to make necessary repairs, or when it appears to the College that the safety of the students is endangered or where property damage is involved.

2. All payments for room rent are made at registration. Room rental is not refunded upon withdrawal. The occupant may not sublet the room to another student.

3. A woman student may exchange her room only with the advance written approval of the Dean of Women. A non-fraternity man may exchange his room only with the advance written approval of the Director of Residences. A fraternity man living in a fraternity section must follow the procedure outlined in the fraternity contract.

A charge of $5.00 will be incurred for authorized room changes made after October 1 in the fall semester and after February 15 in the spring semester. (A charge of $5.00 will be incurred for all authorized changes made after the first week of summer school.)

A fine of $20.00 will be incurred for an exchange made otherwise.

4. The student will be charged for any damages which occur to his room or furnishings, for any damages on a pro rata basis which may occur to his suite, and for all damages caused by his neglect, misuse, or abuse of any part of the college property. Any student may

appeal his dormitory damage charge to the Board of Dormitory Damage Appeals.

5. College furniture or furnishings are not to be moved from the room in which they have been placed by the College.

6. All residents must secure keys for dormitory rooms at the Office of the Director of Residences. All issues and exchanges must be made at the office. The use or possession of an unauthorized key is forbidden. A deposit of $3.00 is required for a key, and this may be recovered by returning the key to the Director of Residences when leaving college. All keys must be returned, even though the student plans to occupy the same room for the summer session or for the ensuing fall semester. Failure to return a room key under these circumstances leaves the student liable for any damages which may occur to the room or suite.

7. The dormitories will open at 9:00 a.m. on the first day of the fall semester. The dormitories will be closed at noon on the first day of the Christmas holidays and will reopen at noon on the last day of the Christmas holidays. The dormitories will close at noon on the day after Commencement Day. Dormitories will be open at 2:00 p.m. on the day prior to the opening of the summer session and will close at 6 p. m. on the day the summer session ends. Occupancy of a room otherwise may be permitted only in an extreme emergency and must have the written approval of the Director of Residences or the Dean of Women, as appropriate, for which a charge of $1.00 will be made for each day or fraction thereof.

8. The College assumes no liability for loss or damage to personal property.

Regulations

1. Only bona fide students of Wake Forest College may reside in the dormitories.

2. The College furnishes the principal articles of furniture. One additional small chest, table or chair may be allowed. Rugs are not allowed. Lamps and curtains or draperies (installed according to College regulations) are permissible. Furnishings are not to be used for other than the intended purpose and beds are not to be disassembled. Each student will supply his own linen (for single beds), desk lamp and bulbs, and wasebaskets.

3. Curtains, draperies, pictures, pennants and clippings must be hung from the picture molding and not tacked or pasted on walls or woodwork.

4. Trunks and heavy luggage should be stored in trunk rooms.

5. No electrical or other type of equipment may be kept or used in a room which will in any way damage the room or its furnishings or which will interfere with the normal operation of lights, outlets, etc., which operate on the same circuit. No window fans or air conditioning units may be installed without the written permission of the Director of Residences. No cooking or refrigerating equipment or electric irons may be kept or used in a room.

6. It is forbidden to possess or use on the campus of this College any intoxicating liquors, wines or beer or any fire crackers or other explosives. Contraband will be confiscated. Any form of gambling is forbidden. Animals or fowl are not allowed in the dormitories.

7. Firearms are prohibited in the dormitories or on the campus except for instructional purposes connected with the ROTC unit.

8. Playing football, baseball, softball, golf, or any other sport is forbidden in the dormitory areas and must be confined to designated areas.

9. Women are not permitted in the dormitory section of men's dormitories.

10. The use of dormitory rooms as sales offices or storerooms, or the solicitation of sales or gifts within the buildings or grounds, is prohibited without permission of the Dean of Men or Dean of Women.

11. No aerials of any type may be installed on any College buildings without the prior written permission of the Superintendent of Buildings and Grounds.

12. Students are expected to cooperate with the campus guards and to identify themselves upon the request of a guard. Failure to do so will be construed as misconduct.

13. Each student is expected to display his name in the cardholder on the door.

14. Application for repairs should be made to the Housekeepers or at the office of the Director of Residences.

15. Any student who moves from any dormitory room relinquishes all rights to any further use of the room.

16. Students are expected to refrain at all times from making excessive noise, either in person or by radios, record players or other instruments capable of causing noise. Students shall not in any way interfere with the comfort or rights of other students.

17. Students who fail to comply with these regulations may forfeit their right to live in the dormitory.

SCHOLARSHIPS, CONCESSIONS LOAN FUNDS AND STUDENT EMPLOYMENT

By regulation of the Board of Trustees, all scholarships and concessions (remitted tuition) must be approved by the Committee on Scholarships and Student Aid. The Committee requires that applications for scholarships and concessions be made on forms obtainable by addressing the Committee at Box 7305, Winston-Salem, N. C. 27106.

Concessions and scholarships supported by funds of the College are not granted to students enrolled in the professional schools of law and medicine.

Only one scholarship or concession supported by College funds may be granted to any one person. No student may receive a concession for more than eight semesters.

To receive consideration for a scholarship or concession, the applicant must either be a registered, full-time student in Wake Forest College or have been accepted for admission.

Need is a factor in the award of virtually all scholarships, and each applicant must file a financial statement as part of his application for the scholarship.

The Committee reserves the right to revoke any scholarship or concession for unworthy achievement.

No scholarship or concession is automatically renewable. Application must be made each year.

Applicants should submit applications sufficiently early so that final action will have been taken before the beginning of the school year.

Special regulations govern the use of the Ministerial Aid Fund.

Scholarships

The Alpha Phi Omega Scholarship. Established by the Kappa Theta Chapter of Alpha Phi Omega, National

Service Fraternity, this scholarship is available to a male freshmen student who has been active in boy scouting and presents evidence of need and an excellent high school record. A minimum of $200.00 is available for the 1965-66 school year.

Junius Calvin Brown Scholarship. Donated by Mr. Junius Calvin Brown of Madison, North Carolina, in honor of his wife, Eliza Pratt Brown, the fund shall be used to assist needy, worthy, and deserving students from North Carolina, with preference being given to students from the town of Madison and Rockingham County. There is approximately $1,000 available for 1965-1966.

Burlington Industries Scholarship. Donated by Burlington Industries Foundation, this scholarship is available to one who will have junior standing in September 1964, has done all previous work at Wake Forest and has an average of 2.0 or better. Leadership, scholarship, and need are considered in making the award. The value of the scholarship is $1,000.00, with half of this amount available in each of the junior and senior years.

The J. G. Carroll Memorial Athletic Scholarship. A fund donated in memory of Professor J. G. "Pop" Carroll, former Associate Professor of Mathematics. The award will be made to some deserving athlete who is not on a regular athletic scholarship. Approximately $200 is available for 1965-1966.

College Scholarships. These scholarships, in the amounts of $100 to $800 each, are available to freshmen and upperclassmen presenting satisfactory academic records and evidence of need.

The Lecausey P. and Lula H. Freeman Scholarship. Donated by Mr. and Mrs. G. H. Singleton, Raleigh,

North Carolina, in memory of the parents of Mrs. Singleton. One scholarship is available to a student who may be a freshman, sophomore, or junior, and whose home is within the West Chowan Baptist Association of North Carolina with preference to Bertie County students, on the basis of need and ability. If no qualified applicant appears from the West Chowan Association, then residents of the Roanoke Association may be considered. The scholarship is renewable on the basis of need and ability for all school years except the senior year. Approximately $200 will be available for 1965-1966.

James W. Gill Scholarship. Donated by Mrs. Ruth R. Gill in memory of her husband, James W. Gill. The fund provides a scholarship for a deserving student, with preference to students from Montgomery and Prince George's Counties, Maryland. Approximately $600.00 will be available for 1965-66.

George Foster Hankins Scholarships—Freshmen. These scholarships were made possible by the late Colonel George Foster Hankins of Lexington, N. C. Applicants must be residents of North Carolina or children of Wake Forest alumni residing in other states. Preference will be given to residents of Davidson County, North Carolina. Only high school seniors are eligible to compete and must request the necessary application forms before December 1 of their senior year. The value of these scholarships will range up to $1,200.

George Foster Hankins Scholarships—Upperclassmen. Upperclassmen are eligible for Hankins Scholarships. However, they must have been enrolled in Wake Forest College for at least one semester before they may apply as upperclassmen. Applications must be on file with the Scholarships Committee no later than May 1 of

each year for the following school year, and preference will be given to applicants from Davidson County, North Carolina. The amount of the award will vary according to the student's need as determined from the financial statement required to be submitted with his application.

Frank P. Hobgood Scholarship. This scholarship, donated by Mrs. Kate H. Hobgood of Reidsville, North Carolina, in memory of her husband, is available to those who qualify on "the basis of character, purpose, intelligence, and need, with preference being given to those who plan to enter the ministry, do religious work, become teachers, or become lawyers, the preference being in the order named." Applicants must be legal residents of the city of Reidsville or live within 10 miles of that city and must be recommended by the deacons of the First Baptist Church of Reidsville. For 1965-1966, $500 will be available.

Junior College Scholarships. One scholarship is available each year to a graduate of each of the junior colleges of the North Carolina Baptist State Convention, in the amount of $150. The recipient must rank in the upper one-fourth of the junior college graduating class. Awarded only on the recommendation of the president of the junior college.

Thurman D. Kitchin Scholarship. Donated by the Interfraternity Council in memory of the late Thurman D. Kitchin, President of Wake Forest College from 1930 to 1950, it is available to a male freshman student presenting a high school record of superior grade and evidence of need. The amount of $300 is available for 1965-1966.

Roy A. Miller, III, Scholarship. Donated by Dr. and

Mrs. Roy A. Miller of New Bern, North Carolina, in memory of Roy A. Miller, III, the amount of $70 is available each semester to a ministerial student selected on the basis of merit and need.

Music Scholarships. These awards, with renewal provisions, are available annually to qualified orchestral string players wishing to matriculate at Wake Forest College. These grants are made jointly by the Winston-Salem Symphony Association and Wake Forest College. Grants are awarded on the basis of audition. Recipients agree as a condition of acceptance to perform with the Winston-Salem symphony and the Wake Forest College Little Symphony. There are 6 awards, each valued at $420, for 1965-66.

Norfleet Scholarship. Donated by Mr. Eustace Norfleet of Wilmington, North Carolina, in memory of his parents, John A. and Mary Pope Norfleet, four scholarships are available in the amount of $200 each to "deserving and promising students desiring to attend Wake Forest College and needing financial assistance."

Dorothea van Deusen Opdyke Fund. This fund is a bequest left to the Southern Baptist Convention by Mrs. Ida Reed Opdyke of Jamestown, New York, as a memorial to her daughter, Dorothea van Deusen Opdyke, and is to be used for the education of mountain people. Awards are made by the Opdyke Scholarship Committee of the Southern Baptist Convention upon the recommendation of the College. Ordinarily, two scholarships in the amount of $150 each are available each school year.

Benjamin Wingate Parham Scholarship. This fund was donated by Mrs. Kate J. Parham of Oxford, North Carolina, in memory of her husband. One scholarship

shall be awarded in each school year on the basis of both ability and need. It may be renewed for succeeding years. The amount of $1,500 is available for 1965-1966.

Thomas F. Pettus Scholarships. Administered by the North Carolina Baptist Foundation, Inc., under the the terms of the will of the late Thomas F. Pettus of Wilson County, North Carolina, this fund makes two or more scholarships available each year in memory of Mr. Pettus. These scholarships are to be awarded by the college on the basis of merit and need with preference to North Carolina Baptist students.

William Louis Poteat Scholarships. Five scholarships will be awarded annually to the graduates of the Baptist junior colleges in North Carolina. Applicants must request the necessary application forms before December 15 of their sophomore year. The winners will be selected form applicants who will be invited to the campus in early spring for competitive tests and interviews. Each scholarship will range up to $500 depending on need as determined from a financial statement submitted by each applicant with the application. It may be renewed for the senior year.

Oliver D. and Caroline E. Revell Memorial Scholarship Fund. Created under the will of the late Oliver D. Revell of Buncombe County, North Carolina, this fund makes available $100 per year to one person preparing for the ministry or full-time religious work.

Kate B. Reynolds Memorial Scholarships. Donated in memory of the late Mrs. Kate B. Reynolds. Applicants must be residents of Forsyth County, North Carolina, who without financial aid would be unable to obtain education beyond high school. Preference will be given

to men. Four scholarships of $500 each will be awarded for the 1965-1966 school year.

A. M. Pullen and Company Scholarship. The A. M. Pullen and Company, Certified Public Accountants, grants to an outstanding upper division accounting major an annual tuition scholarship of $600. The recipient, to be designated by the Dean of the School of Business, is selected on the basis of merit, financial need, and interest in public accounting.

The Saddye Stephenson Sykes Scholarship. Donated by Dr. Charles L. Sykes and Dr. Ralph J. Sykes in memory of their mother, Mrs. Saddye Stephenson Sykes, one scholarship will be awarded each year on the basis of Christian character, academic proficiency, and financial need. Preference will be given to freshmen from the State of North Carolina. It may be renewable each year. Approximately $600 will be available for 1965-1966.

Jesse A. Williams Scholarships. Created under the will of the late Jesse A. Williams of Union County, North Carolina, this fund provides scholarships in amounts of up to $1,200 per year. Preference will be given to deserving students of Union County.

Charles Littell Wilson Scholarship. Created under the will of Mrs. Jennie Mayes Wilson in memory of her husband, the late Charles Littell Wilson, this fund makes available one freshman scholarship each year ranging from $200 to $600.

Concessions

Ministerial Students. Granted on the following conditions: (1) Written recommendation or license to preach authorized by the applicant's own church body

and (2) signature by the applicant of an agreement to pay the amount of the concession, with interest, in the event that he does not serve five years in the ministry within twelve years from the last date of attendance at Wake Forest, subject to cancellation in the event of death. Value, $300.00.

Children of Ministers. Awards to those whose fathers make their living chiefly by the ministry. The concession may be granted for not more than four school years. Value, $150.00.

Rehabilitation Students. Awarded to physically handicapped students who have (1) secured the necessary letter of approval from the North Carolina Division of Vocational Rehabilitation, Raleigh, and (2) filed application for the concession on tuition. Value, $300.00.

Students' Wives. Awarded to wives of students in Wake Forest College for not more than four school years or the equivalent. Becomes void if the husband ceases to be enrolled. Value, $150.00.

Loan Funds

James E. and Mary Z. Bryan Foundation Student Loan Plan. Established by Mary Z. Bryan, in 1953, as a memorial to her husband and administered by the College Foundation, Inc., in Raleigh. North Carolina students may borrow up to $1,000.00 per academic year.

Bushnell Baptist Church Loan Fund. Established in 1945 with funds supplied by the Bushnell Baptist Church of Fontana Dam, North Carolina, for needy students.

Council Fund. Established in 1935 by Mr. C. T.

Council of Durham, North Carolina, for the aid of senior students.

James W. Denmark Loan Fund. This fund was originated by the late James William Denmark of Dudley, North Carolina, in 1875, and is available to qualified students after at least one semester's work in the College. Preference is given to students from North Carolina. The amount available does not exceed $800 each year and $2,400 during the entire period of enrollment.

Olivia Dunn Student Loan Fund. Established under the will of Miss Birdie Dunn of Wake County, North Carolina, in memory of her mother, to be used as a loan fund for worthy students.

Duplin County Loan Fund. This loan fund was donated in 1942 by friends of the College who wish to remain anonymous and is limited to students from Duplin County, North Carolina.

Elliott B. Earnshaw Loan Fund. Established by the Board of Trustees of Wake Forest College as a memorial to the late E. B. Earnshaw, Bursar of Wake Forest College.

Friendly Student Loan Fund. The fund was established in 1948 by Miss Nell E. Stinson of Raleigh, North Carolina, in memory of her sister, Mary Belle Stinson Michael, for the benefit of worthy students who need financial aid. Not more than $100.00 is available to any one student in the same school year.

Grover Carroll Loan Fund. Donated by Lt. Col. and Mrs. Robert C. Wells in memory of the late James Grover Carroll, Associate Professor of Mathematics at Wake Forest College, the sum of $1,000 is available, the principal and interest of which may be loaned at 4%

interest to worthy students who would otherwise be unable to completely finance a college education.

George Foster Hankins Loan Fund. Established under the will of the late Colonel George Foster Hankins of Lexington, North Carolina, with preference to be given to applicants from Davidson County, North Carolina.

Harris Memorial Loan Fund. Established by the late J. P. Harris of Bethel, North Carolina, in memory of his first wife, Lucy Shearon Harris, and his second wife, Lucy Jones Harris, for students who have demonstrated ability to apply educational advantages to the rendition of enriched and greater Christian service in life and whose circumstances require financial assistance in order to prevent disruption in their educational program. Preference is given first to seniors, thereafter to juniors, sophomores, and freshmen in that order. The sum of not to exceed $250 is available to any one student, at interest not to exceed ¾ of the maximum legal rate.

Thomas M. Hunter, Jr., Memorial Scholarship. Established in 1948 by Mr. and Mrs. Thomas M. Hunter of Fayetteville, North Carolina, as a loan scholarship in memory of their son. The loan scholarship is available for students enrolled in the Bowman Gray School of Medicine of Wake Forest College who are preparing to become medical missionaries.

Edna Tyner Langston Fund. This fund, established in 1942 by Dr. Henry J. Langston of Danville, Virginia, in memory of his wife, is available to a student agreed upon by the donor and the college.

The National Defense Student Loan Program. This fund, created under the National Defense Education Act of 1958, makes available loans up to $1,000 per year for

students in need of financial assistance. The law further provides that special consideration in the selection of loan recipients be given to all students with a superior academic background.

North Carolina Bankers Student Loan Plan. Established by the North Carolina Bankers Association, in 1962, at the request of Governor Terry Sandford and administered by the College Foundation, Inc., in Raleigh. North Carolina students may borrow up to $500.00 per academic year.

Watts Norton Loan Fund. Established in 1949 by Mr. L. Watts Norton of Durham, North Carolina. For the benefit of worthy young people attending the School of Religion who need financial assistance.

The Powers Fund. This fund was endowed by Dr. Frank P. Powers of Raleigh, North Carolina, in 1944 as a memorial to his parents, Frank P. and Effie Reade Powers, and is for the benefit of needy students, with preference given to orphans.

Grover and Addy Raby Loan Fund. Established in 1945 by Dr. J. G. Raby of Tarboro, North Carolina, in memory of his parents. Preference is given to applicants from the First Baptist Church of Tarboro.

James F. Slate Loan Fund. Established in 1908 by the late J. F. Slate of Stokes County, North Carolina, and is available for ministerial students who have been licensed to preach.

Ministerial Aid Fund

The Ministerial Aid Fund was established in 1897 through a bequest from the estate of the late J. A. Melke and has been added to from time to time.

Funds are available to ministerial students on either a loan or a grant basis. Written application must be made to the Committee on Scholarships and Student Aid on form obtainable from that committee. Awards are made on the basis of merit and need, and particularly in the case of grants, academic achievement. Five annual grants in the amount of $200 each are regularly available, in addition to such others as the Committee may award.

German Exchange Scholarship

In 1959 a student exchange program was established between Wake Forest College and the Free University of Berlin. At present two scholarships are available to eligible Wake Forest College students. They provide: (1) 400 German marks a month for ten months at the Free University of Berlin; (2) remission of all registration and insurance fees; (3) 100 German marks a semester for the purchase of books necessary in the pursuance of studies at the university; (4) payment of transportation costs from the German border or a European port to Berlin and return. Candidates must have had at least two years of German at the college level or equivalent and must have acquired junior standing by the end of the semester in which they apply. Candidates may major in any of the fields offered at Wake Forest College with the permission of the chairman of the department in question.

Student Employment

The Placement and Student Aid Office will assist students to locate either on or off campus part time employment. Full time students may be authorized to work a maximum of 20 hours per week. Students desiring

to avail themselves of this service should request an application form from the Placement and Student Aid office or visit the office in person. Wives of college students who are interested in full time work may fill out application forms in this office. The office does no actual hiring, but refers applicants to firms and organizations with known job vacancies.

ACTIVITIES

Student Government

The two chief agencies of student government are the Student Legislature and the Student Honor Council.

The Student Legislature is composed of thirty-six representatives of the four classes, the vice-president of the student body serving as Speaker. It is the duty of the Student Legislature to perform all acts necessary in the exercise of its powers as the legislative branch of student government. The Legislature also sets up student committees to work parallel with faculty committees on matters concerning students.

The Student Honor Council, which tries violators of the Honor System, is composed of sixteen members from the senior, junior, and sophomore classes.

The Honor System

The Honor System is an expression of the concern of Wake Forest College that its students shall be dominated by ideals of honor and integrity. The Honor System is an integral part of the Student Government of the College as adopted by the students and approved by the Administration. The essence of the Honor System is that each student's word can be trusted implicitly and that any violation of a student's word is an offense against the whole student community. The Honor System binds the students in such matters as the following: He must neither give nor receive aid upon any examination, quiz or other pledge work; he must have complete respect for the property rights of others; he must not give false testimony or pass a worthless check knowing it to be such; he must report to the Honor Council any violation of the Honor System that comes under his observation.

A student accused of violating the Honor System will be given a hearing before the Honor Council. If he is found guilty of cheating, he may be suspended from the College. Such student shall be re-admitted to the College only on the approval of the Faculty or its Executive Committee, and during the period of suspension his record shall not be subject to transfer to another college without a notation of his suspension. The penalty for stealing, giving false testimony, or knowingly passing a worthless check may also be suspension. The penalty for failing to report to the Honor Council all violations of the Honor System which may come to a student's knowledge shall be in the discretion of the Honor Council.

Any student who has been convicted of violation of the Honor Code is ineligible to represent the College in any manner whatsoever until the period of his punishment, be it suspension, probation, or any other form, is completed and the student is returned to good standing.

Students in enforcing the Honor System are protecting the integrity of their student community and their own individual rights and reputation. They thereby enjoy the confidence of one another, the Faculty, the Administration and the public.

Senior Orations

On the second Monday in April the faculty selects four members of the senior class as speakers for commencement day. The nominations are made by a committee of the faculty from those who have spoken either before the committee or on some public occasion in college. The speakers selected are required to present their commencement addresses, limited to one

thousand words, to the committee for approval before May 16.

Forensic Activities

Wake Forest has always stressed participation in debating and allied speech activities, and the College holds membership in a number of state and national speech organizations, including Delta Sigma Rho-Tau Kappa Alpha, national honorary forensic fraternity. Representatives of the College engage in state, regional, and national tournaments, and take part in debates, oratorical contests, and many other forms of competitive speaking.

All undergraduate students in good standing are eligible to participate in forensics and to represent the College in intercollegiate competition.

Debate and Speech Tournaments

A. North Carolina High School Speech Festival

In the spring of each year, the College sponsors a speech festival, to which are invited the high schools of North Carolina. Trophies, medals, and certificates are given to the winning schools, and awards are made to individuals in debate, oral interpretation, radio announcing, extemporaneous speaking, oratory, after-dinner speaking and drama.

B. Novice Tournament

In the fall of each year the College sponsors a debate tournament to which are invited novice debaters from the colleges and universities of the Southeastern United States. Awards are given to the winning schools at the end of the tournament. The tournament is open to college students who have

never previously participated in intercollegiate debating.

C. Intercollegiate Tournament

During the school year, the College sponsors a national debate tournament to which are invited colleges and universities which excel in debate. Trophies are given to the winning schools.

Speech Institute

High school students are invited to participate in the Summer Speech Institute, which is held for four weeks during the regular summer session, and which is open to students from all states. Specialized training in debate, public speaking, theatre, and radio is offered, and students are given an opportunity to debate the National Forensic League query in advance of the regular debate season.

College Theater

The Wake Forest College Theater presents five major productions annually. One of these productions is presented during the Magnolia Festival. Any student enrolled in the College is eligible to try out for the casts or to become affiliated with the production staffs.

The Wake Forest Chapter of the National Collegiate Players, honorary dramatic fraternity, was formed in the Spring of 1963. Eligibility for membership is determined by a student's scholastic average and an accumulation of points acquired through participation in College Theatre activities.

Readers' Theater

The theater program recently expanded its scope to provide an opportunity for more students to participate

on another level. The Readers' Theater presents monthly programs with selections from prose and poetry and rarely performed dramas. It is an opportunity for students to expand literary and artistic horizons as either participants or members of an audience.

College Radio Station—WFDD-FM

The college radio station presents approximately thirty hours of programs every week during the school year. Programs include music, news, sports, lectures, discussions, interviews, and dramas. The station provides an opportunity for students to learn all phases of radio production while actually participating as announcers, interviewers, directors, newscasters, sportscasters, actors, and writers.

Participation is open to all students. Several financial assistantships are available each year for qualified students.

Medals

The A. D. Ward Medal is awarded annually to the senior making the best address on commencement day.

The Laura Baker Paden Medal, established in 1922 by Dean S. Paden (B.A., 1918), is awarded annually to the senior who has obtained the highest average grade on the courses taken by him in the School of Business Administration.

The J. B. Currin Medal is awarded annually for the best oration on the general topic of *Christ in Modern Life*.

The Carolina Award is presented to the major in Biology who writes the best paper on a subject selected by the National Biology Society. Given by the Carolina Biological Supply Company of Elon College, N. C.

The Biology Research Award is presented to the major in Biology who does the best piece of original research during the year. Given by the Beta Rho Chapter of Beta Beta Beta of Wake Forest College.

The Poteat Award is presented to the student in Biology 111-112 who is adjudged the most outstanding, and plans to major in the department. Given by the Will Corporation of Georgia, and sponsored by Beta Beta Beta.

The Delta Sigma Pi Scholarship Key is presented to the graduating senior in the School of Business Administration who has earned the highest average during the seven semesters prior to the semester in which graduation occurs.

The Alpha Kappa Psi Scholarship Key is awarded annually during the graduation exercises to the graduating senior in the School of Business Administration who has the highest average for the first three years.

The A. M. Pullen and Company Medal is presented each year during commencement to the graduating accounting major who has reached the highest achievement in accounting studies.

The North Carolina Association of Certified Public Accountants Medal is awarded each spring to the outstanding senior accounting major.

The Wall Street Journal Medal and one year's subscription to the *Journal* are received each year by the graduating senior who has been most outstanding in finance courses.

Delta Kappa Nu's Business Woman Student Award is presented annually during the graduation exercises to the most outstanding senior business woman who is seeking a B.B.A. degree or a B.A. degree in Economics.

Medals and awards offered by the Department of Military Science are listed on pages 182-185.

Fraternities

The following social fraternities have been established: Alpha Sigma Phi, Delta Sigma Phi, Kappa Alpha, Kappa Sigma, Lambda Chi Alpha, Pi Kappa Alpha, Sigma Chi, Sigma Phi Epsilon, Sigma Pi, Theta Chi.

The Interfraternity Council, under the supervision of the Faculty Committee on Student Affairs, is the governing body of the social fraternities. The Council endeavors to maintain a high standard of conduct and scholarship. The Council offers a cup to the fraternity whose members made the highest class grades. By order of the faculty, students who are on probation for any reason may not be initiated into any fraternity until the end of their probationary period.

The following professional fraternities have been established: Alpha Kappa Psi (business), Delta Sigma Pi (business), Phi Alpha Delta (law), Phi Delta Phi (law), Phi Epsilon Kappa (physical education). There is also a chapter of Alpha Phi Omega, national service fraternity.

Honor Societies

The following honor societies have been established: Alpha Epsilon Delta (pre-medicine), Beta Beta Beta (biology), Delta Kappa Alpha (ministry), Delta Phi Alpha (German), Eta Sigma Phi (classics), Gamma Sigma Epsilon (chemistry), Kappa Mu Epsilon (mathematics), National Collegiate Players (dramatics), Pershing Rifles (military), Phi Alpha Theta (history), Phi Sigma Iota (Romance languages), Pi Gamma Mu (social science), Rho Tau Sigma (radio), Scabbard and Blade (military), Delta Sigma Rho-Tau Kappa Alpha

(forensic), Phi Beta Kappa, Omicron Delta Kappa, and Tassels. There is also a Wake Forest College Student Section of the American Institute of Physics.

Phi Beta Kappa, an honor society founded at the College of William and Mary in 1776 and having chapters in many American colleges and universities, each year invites to membership a limited number of students who have displayed personal qualities of high character and who particularly have distinguished themselves in fields of liberal scholarship.

Omicron Delta Kappa, an intercollegiate honor society which has as its purpose the recognition and encouragement "of intelligent, democratic leadership among college men," elects semiannually on the basis of character and eminence in one or more of the following five phases of campus life: "scholarship; athletics; student government, social and religious activities; publications; and forensic, dramatic, musical and other cultural activities."

Tassels is a local honor society for women, with standards and purposes similar to those of Omicron Delta Kappa. Its membership is made up of women students who have shown qualities if scholarship, character, and leadership in some phase of college life.

Recreational Activities

Recognizing the importance of physical recreation in maintaining the well-being of students, the College provides extensive athletic and recreational facilities and a faculty of trained supervisors to direct activities in these fields. Each student is given the opportunity to develop his individual interest and skill in physical education and recreational classes. In addition to these classes, the Department of Physical Education under-

takes a broad intramural sports program consisting of tournaments and organized club activities.

In order to provide for a recreational program for all students, the College maintains athletic fields, tennis courts, and a combination athletic, physical education and recreation building which includes a swimming pool, handball and squash racquet courts, rhythm studio, arts and crafts room, recreational area, corrective rooms, a gymnastic and wrestling room, and four separate gymnasiums including a women's gym, a varsity basketball gym, and two men's intramural gyms.

The College Union

The College Union at Wake Forest College is a union of all the students. Its purpose is to coordinate, increase and develop social, recreational, and educational activities available to Wake Forest College students, both on and off campus.

Realizing that such a program would require financial support, the students have voted to assess themselves $3.00 a student each semester to underwrite the cost of the program.

The program of the College Union can best be presented by listing its eight committees: (1) Lecture Committee, (2) Recreation Committee, (3) Small Socials Committee, (4) Major Functions Committee, (5) Publicity Committee, (6) Movies Committee, (7) Travel Committee, (8) Music and Arts Committee.

Intercollegiate Athletics

The Director of Athletics has general supervision of intercollegiate athletic activities.

The College is a member of the National Collegiate Athletic Association and the Atlantic Coast Conference.

Rules and Regulations of the N.C.A.A. and of the Conference apply to all intercollegiate sports and eligibility of players.

In order to become a member or a subordinate member of any athletic team, the student must conform to the following minimum requirements:

1. He must be a *bona fide* student.
2. In order to represent the College in any intercollegiate activity, the student must have completed without condition the minimum of twenty-four hours within the past year of residence work, including at least twelve hours with grades of "C" or better as recorded at the close of his last term.

The eligibility of all candidates accompanying the team as representatives of the College in intercollegiate contests must be certified to the Director of Athletics by the Dean of the College.

Any student may be declared ineligible at any time by the faculty or by its Executive Committee because of poor work or improper spirit.

An athletic team may not be absent from the College for a total of more than ten weekdays during any term. Freshman teams are allowed only five absences in any one term.

No student is allowed to represent the College on more than one intercollegiate team or club in any semester without special permission from the faculty or from its Executive Committee.

Automobile Regulations

Having an automobile on the campus is a privilege which must be earned rather than a right which under certain circumstances is taken away. Only after a stu-

dent has demonstrated his ability to maintain an acceptable academic average is he allowed to have an automobile, and only when his over-all status is satisfactory is he allowed to retain this privilege. It is his responsibility, moreover, to abide by these regulations without notification of his status by the administration.

During his first two semesters in college a freshman male student living in a dormitory is not allowed to have an automobile. After the freshman year, a male student may have the use of an automobile during any semester at the beginning of which he has an over-all C average.

No woman student except a junior or a senior with a cumulative C average, as determined on a semester basis, and otherwise in good standing is allowed to have an automobile, and she must make appropriate arrangements for it with the Dean of Women.

During the summer session any student enrolled, regardless of classification, many have an automobile so long as he complies with registration, traffic, and parking regulations.

A student automatically loses the privilege of having an automobile at any time that he is placed on social or conduct probation.

A student prevented by College regulations from having an automobile is not allowed to maintain or operate a motor vehicle in Forsyth County or vicinity. Storing or otherwise keeping a motor vehicle in other places in this area for occasional use is a violation of this regulation. Registering an automobile on behalf of another student who is not qualified to register a car in his own name is a violation of this regulation. Otherwise aiding or abetting in the violation of this regulation is a violation of the regulation.

In the fall a first semester freshman or an ineligible

upperclassman who arrives on the campus with an automobile must have it returned to his home before 6:00 p.m. on the day preceding the first day of classes for that semester. Any student who loses his eligibility to have an automobile because of his fall semester grades is required to report to the Traffic office and turn in his sticker during the spring semester registration period. At that time he will be informed of the procedure for disposition of his vehicle.

Students will be required to show the state vehicle registration of the automobile to be registered and their state operator's license on registration of an automobile.

Students who violate any of these regulations will be placed on conduct probation by the office of the Dean of Students and will be subject to suspension from the College or such other penalty as the Executive Committee may prescribe. Exceptions to these regulations may be made only by written permission from the office of the Dean of Students.

See the section in the student handbook on "Parking Regulations" for instructions as to the proper registration of motor vehicles.

GENERAL INFORMATION

Classification

The requirements for classification after the freshman year are as follows:

Sophomore—the removal of all entrance conditions and the completion of not fewer than 25 hours of work toward a degree, with a minimum of 50 quality points; Junior—the completion of not fewer than 54 hours of work toward a degree, with a minimum of 108 quality points; Senior—not fewer than 95 hours of work toward a degree, with a minimum of 190 quality points.

Registration After the Freshman Year

An undergraduate student who fails to pay the $50 reservation deposit at the required time (see Calendar on page 3) during the spring semester shall not be eligible to register for the next fall semester.

Procedure in Registering

There are five steps in registration: (1) Securing from the Registrar's Office a permit to register and a summary of prior record; (2) the payment of fees to the Treasurer; (3) consultation with an adviser, who gives such assistance as may be necessary in regard to the program of work; (4) sectioning of classes by departmental representatives; (5) appearance before the Registrar for approval of program and assignment to classes.

No student is allowed to enter any class until he has completed his registration.

Recitations per Week: Maximum and Minimum Requirements

Sixteen credit hours a week, counting two hours of laboratory or field work as equal to one hour of recitation, are the maximum normally allowed freshmen. Seventeen credit hours a week are the maximum which sophomores, juniors and seniors may normally take. A student may register for as much as nineteen credit hours per semester provided that the additional hours over the normal maximum include only hours in the following courses: a one-hour physical education course, one music ensemble course, and Military Science. Additional work over the maximum is not otherwise allowed except by permission of the Dean of the College, and then only to students whose records are superior.

The minimum number of hours for which a student may register is twelve for the term unless he is given special permission because of exceptional conditions or because he is doing outside work to support himself in college.

Auditing of Classes

A student regularly enrolled on a full-time basis may audit classes without charge, provided that the permission of the instructor is obtained. A person other than a regularly enrolled full-time student may audit classes at a charge of $10.00 per hour with the permission of the dean of the appropriate school and the instructor. An auditor is listed on the class roll as such and is subject to the usual attendance regulations and to whatever additional requirements the instructor may impose. If these conditions are properly fulfilled, a notation "audit" is entered in lieu of a grade on the instructor's final grade report. For the regularly enrolled student, this notation

is also entered on his permanent record card. An auditor may receive no grade or credit for the course.

Each instructor shall report to the Registrar the presence of any student not registered regularly or as an auditor.

An audit course may not be changed to a credit course, and a credit course may not be changed to an audit course.

Enforcement of Regulations

The enforcement of all regulations pertaining to academic matters is regarded as a function of the faculty, or representatives of the faculty. A well-organized Student Government assumes responsibility, in co-operation with the Dean of the College, for the regulations of the honor system and various other matters involving personal conduct. In general, the regulations of the College are adapted to and intended for those who have reached such maturity that they may exercise self-control. All students are expected to be faithful in work, to be prompt and regular in attendance upon all their college duties, and to refrain from practices injurious to others. Those who neglect their work, or engage in conduct that brings reproach upon themselves and upon the College, or disregard the rights and the welfare of their fellow students are required to withdraw from the College.

Absences From Classes

A student is responsible for all the work of all class and laboratory meetings of any course in which he is enrolled. Work missed because of absence may be made up only at the discretion of the instructor.

Absences are reported at the end of the semester by the instructor to the Office of the Dean of the College.

The instructor also reports during the semester to the Office of the Dean of the College students who have already missed three consecutive class meetings, 25 per cent of the class meetings, or more classes than the instructor deems advisable. Absences are reported from the first meeting of the class, those who register late to be reported as absent from any previous class meetings which they have missed.

When any student has been absent regardless of reason in any course as many as 25 per cent of the total class periods in that course, he shall lose all credit for the course. The Registrar, upon notice from the Office of the Dean of the College, shall record the course as hours attempted but shall designate no hours earned and no quality points earned.

Any student who demonstrates irresponsibility with regard to class attendance is subject to such disciplinary action as the Executive Committee may prescribe, including immediate suspension from college.

A student who is on academic or conduct probation is not allowed any absences from class until notified otherwise by the Office of the Dean of Students.

For students not on probation, absence from any class at the last meeting before or the first meeting after any holiday recess shall count for freshmen two absences and for upperclassmen three absences in a class which meets twice a week and four absences in all other courses. If such absence is excused, it shall count as one absence.

Any student who has been absent from an announced quiz may, if he follows proper procedure, secure from the Office of the Dean of the College by the next meeting of the class a statement showing the reason for the absence and a statement of whether the Office considers it an excusable reason for missing the quiz. This is for

information only and does not give the student any right to make up the quiz.

Freshmen who are not on probation are allowed in each course no greater number of absences than the number of meetings in a normal week. These absences include those for participation in extracurricular activities; for such emergencies as illness in the immediate family, automobile accidents, or appearance in court; and for personal convenience. Absences in excess of this number will result in the student's being subject to probation or to suspension from the college, except that (1) additional absences because of personal illness may be allowed if the absence is excused by the Student Health Service at the time of the illness or, if the illness occurs off campus, within 24 hours after the student returns to campus, and (2) additional absences may be allowed as an official representative of the college if approved in advance by the Office of the Dean of the College.

Nothing in these regulations is intended to change the provisions listed in the section on "Intercollegiate Athletics" on page 91-92.

Course Drops

The last day for dropping a class without the grade of F is listed in the College calendar on page 3 of this Catalog. A student who wishes to drop any course *before* this date must consult the Registrar and his faculty adviser. *After* this date, if he wishes to drop a course, he must consult either the Dean of the College or the Dean of the School of Business Administration, as appropriate. If the Dean approves the request, he authorizes the student to discontinue the course. Except in the case of an emergency, the grade in the course will be recorded as F.

If, at any time, a student shall drop any course without prior, written approval of the Dean, a grade of F for that course shall be reported by the instructor to the Registrar, and the student will be subject to academic probation for the following semester or to such other penalties as the Executive Committee of the faculty may impose.

Withdrawal from College

A student who finds it necessary to withdraw from the College is required to consult the Dean of the College and arrange official withdrawal. If the withdrawal occurs before mid-term, no grades are recorded in any of the student's courses. If it takes place after mid-term the student's grade in each course is recorded as "F," unless there is an emergency, in which case it is recorded as "WP" or "WF," depending on whether the student is passing or failing the course at the time of his withdrawal. "WP" and "WF" grades do not affect the student's credit hour or quality point totals, but they will be taken into consideration in case the student should at a later date seek readmission to the College.

A student who withdraws from the College without first consulting the Dean will not be granted honorable dismissal and will be assigned grades of "F" in all his courses.

Minimum Academic Requirements for Continuation

Each student enrolled in the College is expected to be aware at all times of his academic status and to be responsible for knowing whether he has failed to meet the College's minimum academic requirements for continuation as outlined below.

On the basis of their cumulative records at the end of

the spring term, the following students are academically ineligible to enroll for the following fall term:

(1) Those students who, having attempted 47 or fewer semester hours in all colleges attended, have an over-all quality point ratio* of less than 1.35 on work attempted at Wake Forest.

(2) Those students who, having attempted no fewer than 48 and no more than 87 semester hours in all colleges attended, have an over-all quality point ratio of less than 1.65 on work attempted at Wake Forest.

(3) Those students who, having attempted no fewer than 88 and no more than 119 semester hours in all colleges attended, have an over-all quality point ratio of less than 1.85 on work attempted at Wake Forest.

(4) Those students who, having attempted 120 or more semester hours in all colleges attempted, have an over-all quality point ratio of less than 1.90 on work attempted at Wake Forest.

In the determination of the quality point ratio, non-credit courses are not counted.

Any student who is ineligible under the minimum requirements above may attend the first summer term at Wake Forest; if he is successful in raising his over-all quality point ratio on work attempted at Wake Forest to the required minimum, he may enroll for the fall semester. If he is unsuccessful by the end of the first summer term, he may attend the second term in Wake Forest; if he is successful then in raising his quality point ratio to the required minimum, he may apply for readmission no earlier than for the following spring semester. If he is unsuccessful in meeting the minimum

* The quality point ratio is obtained by dividing the net quality points earned by the number of hours carried (whether passed or failed).

requirements by the end of the second summer term, he may apply for readmission no earlier than for the following summer session.

Requirements for continuation are to be determined by the catalog under which the student expects to be graduated.

Under exceptionally extenuating circumstances beyond the control of the student, and after consultation with the student's dean, an appeal from the foregoing eligibility requirements may be considered by the Executive Committee of the faculty.

The Executive Committee of the faculty may also suspend from college at the end of any term any student whose record for that term has been unsatisfactory, particularly with regard to the number of courses passed and failed, or who has not attended class regularly or has otherwise ignored the rules and regulations of the College.

Requirements for Readmission

Any student seeking readmission to Wake Forest College must meet the minimum academic requirements for continuation for students in his category of hours attempted (see page 101), except that

(1) a student who has not met these requirements may apply for admission to the summer school only;

(2) a student may apply for readmission if he has been away from Wake Forest continuously for at least a year and a half and has spent that time constructively;

(3) a student may apply for readmission earlier than the year and a half if he has been enrolled in another college or if his failure to have the required average at the time of his suspension was due to ex-

ceptionally extenuating circumstances beyond his control.

It should be understood by the student and his parents that meeting the requirements set forth above does not insure that the student will be readmitted to the College.

Probation

A student is responsible at all times for knowing his academic standing.

Any student who at the end of the fall semester does not have the grade average which he will be required to have at the end of the spring semester will be automatically on academic probation.

Any student who is placed on probation because of honor code or conduct code violations shall also be placed on such special academic probation as the Executive Committee of the faculty shall impose. In addition, the Executive Committee may at any time place on probation any student whose academic performance or social behavior is inconsistent with what the Committee deems to be the best interests of the student or the College.

Examinations and Grades

All examinations are conducted in accordance with the honor system adopted by the students and approved by the Faculty. Under this system the student is expected not only to refrain from unfairness in any form but also to report to the Honor Council anyone whom he knows to be guilty of cheating. Examination papers are accompained by a signed statement that no aid has been given or received.

Grades in each course are assigned by the instructor as follows: A, exceptionally high achievement; B, su-

perior; C, satisfactory; D, passing but unsatisfactory; E, conditional failure; F, failure.

Grades are assigned quality points as follows: for each semester hour of A, 4 points; of B, 3 points; of C, 2 points; of D, 1 point; and of E and F, no points. The quality point ratio is calculated by dividing the total number of quality points earned by the total number of semester hours attempted, whether passed or not.

Grade of I

The grade of I (incomplete) may be assigned only when on account of illness or some other emergency a student does not complete the work of his course. If the work recorded as I is not completed within thirty days after the student enters for his next semester, the grade automatically becomes F.

Grade of E

A student who makes a grade of E on any course may be re-examined at any regular examination period within a year, or during the first week of the fall semester. No grade higher than D may be assigned as a result of a re-examination. A student who does not remove a conditional failure by one re-examination must repeat the course to secure credit.

Repetition of Courses

A student may not repeat for credit a course on which he has already received a grade of C or higher.

Senior Conditions

A candidate for graduation in his final semester who receives a grade of E at the close of the previous semester may apply to the Registrar for re-examination 30 days

after the opening of the final semester and not less than 30 days before its close. Such examination will be regarded as a special examination and will entail a fee of $2.50.

All conditions must be removed 30 days before the end of the last term of the student's graduation year. The name of a candidate for graduation who has a condition after that date is dropped from the roll of the class.

If a student receives a grade of E in a course in the final term of his graduation year, he is not allowed a re-examination before the next examination period.

Reports

A mid-term report is given to the student and a copy is sent to the parent or guardian of each student who is doing unsatisfactory work. At the end of each term a final report of grades and attendance is given to the student, and a copy is sent to the parent or guardian. A report of the progress of each freshman is sent to the high school or preparatory school from which he was admitted.

The Dean's List

The Dean's List will be issued at the end of each semester by the Dean of the College and the Dean of the School of Business Administration and will include all full-time students who have made a quality point ratio of 3.0 for the semester. Grades earned during a summer session are not considered in the preparation of the List.

Graduation Distinctions

Under the quality point system, graduation distinctions are determined as follows:

A candidate for a baccalaureate degree who is credited with quality points which give him a ratio of not less than 3.80, in relation to the total semester hours attempted, shall be graduated with the distinction *summa cum laude*; not less than 3.50, *magna cum laude*; not less than 3.00, *cum laude*. The entire record of a student is considered, with the understanding that a transfer student may receive no distinction which requires a quality point ratio greater than that earned in Wake Forest College.

Transcripts of Student Records

The first copy of a student's record is issued for him without charge. Requests for subsequent copies should be made to the Registrar by the owner of the record, and should be accompanied by a remittance of one dollar for each copy desired.

Summer Session Elsewhere

A student who desires to attend summer session in another college must secure the advance approval of the Registrar and the chairman of the department concerned.

A transcript of the record is required for posting at the close of the summer session.

Study Abroad

To be granted the privilege of studying abroad a student who plans to return to Wake Forest must plan a program of study relevant to his degree program at the College and must secure in advance the approval of the chairman of his major department and the dean of the school in which he is enrolled.

Maximum credit for a full year program (32 semester

hours) may be granted upon evidence of a satisfactory evaluation by the College of the work taken.

Students are encouraged to study under one of the established programs sponsored by American colleges and universities. In some cases independent study at foreign universities may be approved.

Center for Psychological Services

The Center provides specialized services in educational-vocational testing and counseling, and in personal adjustment counseling. These services provide evidence of the student's aptitudes, interest, and achievements and assist him in making the most of his opportunities for academic and personal development while in college. The Center, with offices in Efird Hall, is staffed by professionally trained psychologists. There is no charge to the full time student for Center services.

Navy ROC Program

The United States Navy offers a Reserve Officer Candidate (ROC) program whereby a Wake Forest student may complete his military requirements for a commission as Ensign in the United States Naval Reserve by attending weekly drills at the Winston-Salem Naval Reserve Training Center, 930 Brookstown Avenue, and by attending ROC schools during the summers following his sophomore and junior years. A commission is granted on graduation from Wake Forest. Further information is available through the Commanding Officer of the Training Center or Dr. Carlton Mitchell of the Wake Forest faculty.

Veterans

Applicants who need information concerning educational benefits for veterans and children of veterans should consult the nearest regional office of the Veterans Administration. This office for North Carolina is located at 441-449 West Peachtree Street, N.E., Atlanta, Georgia 30308.

REQUIREMENTS FOR DEGREES

The degrees conferred are Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Master of Arts, Bachelor of Laws; and Doctor of Medicine, Master of Science and Doctor of Philosophy in Bowman Gray School of Medicine.

The general requirements for the Bachelor of Arts and the Bachelor of Science degrees are the same, with the following exceptions: (1) for the degree of Bachelor of Arts a student must complete a foreign language through courses numbered 211, 212, making a total of from 6 to 18 hours of languages*; (2) for the degree of Bachelor of Science a student must either complete a foreign language through courses numbers 211, 212, or take eight hours in a second natural science or six additional hours in mathematics.

The degree of Bachelor of Science is conferred only upon those students who (1) complete a major in Biology, Chemistry, Mathematics, Physical Education, Physics, or Education with State teacher's certification in Mathematics or Science; (2) complete the degree requirements in Medical Technology or Nursing; or (3) complete the requirements for the combined degree in Medical Sciences, Dentistry, Engineering, or Forestry.

The degree of Bachelor of Arts is conferred upon those students who (1) complete a major in other departments in the School of Arts and Sciences; (2) complete a major in Economics in the School of Business Administration; or (3) complete the requirements for the combined degree in Law.

Each student is responsible for acquainting himself with the requirements for graduation, and for meeting the requirements as stated.

* The candidate for the combined degree in Law may substitute for Language 211, 212 eight hours in a second natural science, six additional hours in mathematics, or six hours in the principles of economics.

A student who has been graduated from Wake Forest College with the degree of Bachelor of Arts or Bachelor of Science may not thereafter receive the other of these two degrees.

Academic Requirements

For the degree of Bachelor of Arts or Bachelor of Science the student must complete (1) the basic course requirements, (2) a course of study approved by his major department, and (3) elective courses to make a total of 128 credit hours. He must complete at least 64 hours, including the work of the senior year, in Wake Forest College. A student applying for the combined degree must complete three-fourths of the 128 hours, plus the major in the school in which he is enrolled during the senior year.

In addition to the above requirements for graduation, the student must present at least 256 quality points and a quality point ratio of at least 2.0 on all hours attempted. Grades are assigned quality points as follows: for each semester hour of A, 4 points; of B, 3 points; of C, 2 points; of D, 1 point; and of F, no points. The quality point ratio is calculated by dividing the total number of quality points earned by the total number of semester hours attempted, whether passed or not.

A student who transfers from another institution or takes any work in other institutions must earn in Wake Forest College at least twice as many quality points as the difference between the number of hours transferred from other institution(s) and the 128 hours required for graduation from Wake Forest College. He must also earn at least a 2.0 quality point ratio on all hours attempted in Wake Forest College and have at least a 2.0 quality point ratio on the total number of hours attempted at all colleges.

A student has the privilege of graduating under the provisions of the catalog under which he enters provided that he completes his course within six years; after the interval of six years he is expected to conform to the requirements specified for the class with which he is graduated.

Basic Course Requirements

All students in Wake Forest College are enrolled in the School of Arts and Sciences during their freshman and sophomore years. A student is not admitted as a candidate for a degree in any college or school except the School of Arts and Sciences until the end of his sophomore year and the completion of the entrance requirements of the college or school to which application is made.

All students enrolled in the College must take certain required basic courses. These requirements apply uniformly to all undergraduate degrees and all combined degrees, except as otherwise noted.

These basic course requirements are as follows:

English 111, 112, 151, 152 (12 hours)
Language:
0 to 12 hours, depending on the number of high school language units submitted by the student.
French 111, 112, 151, 152
German 111, 112, 151, 152
Greek 111, 112
Latin 111, 112, 151, 152
Russian 111, 112, 151, 152 (for B.S. degree only)
Spanish 111, 112, 151, 152
(In determining the level of language study which a beginning student should enter, one unit of high school language is considered the equivalent of a one semester course of college language. Thus, a student continuing in college a language begun in high school would normally enter: course 112, if he has had one high school unit; course 151, if he has had two high school units; course 152, if he has had three high school units, and course 211, if he has had four high school units.

(A student who finds it necessary to repeat in college the equivalent of any *modern* foreign language taken in high school receives *no college credit* for the course repeated.

(An entering student who offers high school units in a *classical* language and who wishes to continue this language in college will be given a placement test, the results of which will be used by the department to determine his placement for credit in college.

(Since an entering student is expected to present two high school units in foreign language, he is required to take one college year of foreign language *without credit* if he fails to present those high school units.

(An entering student who offers two high school units in one foreign language may commence a second foreign language *with credit.*

(An entering student who offers four high school units in one foreign language has completed the language requirement except for the B.A. degree.

(A student applying for the degree of Bachelor of Business Administration may complete the language requirement beyond 111, 112, by either Language 151, 152, or Speech 151 and Mathematics 162.

(A student who plans graduate study or medical study should consult his adviser about additional foreign language study in his undergraduate program.)

Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.

Philosophy 211 (3 hours)

History 111, 112 (6 hours)

Social Science, one of the following three:

*Business Administration 213, 214 (6 hours)

†Political Science 151, 152 or 153, 154 (6 hours)

Sociology 151 (3 hours) and 3 hours selected from courses in Sociology and Anthropology numbered from 225 to 259, except courses 248 and 249.

Natural Science, one of the following three:

Biology 111, 112 (8 hours)

Chemistry 111, 112 (8 hours)

Physics 111, 112 (8 hours)

Mathematics (3 hours)

(A student who anticipates a degree or major requiring additional mathematics should continue mathematics through the freshman year.)

* Except for students taking B.B.A.

† Political Science 153, 154 may not be elected by those students whose major department requires (or recommends) Political Science 151, 152 as the basic course in the social sciences.

Physical Education (2 hours)
One of the following, as determined by the requirements for the specific degrees:
Language 211, 212 (6 hours)*
A second natural science from among those listed above (8 hours)
Additional mathematics (6 hours)
Business Administration 213, 214 (6 hours)
(The candidate for the degree of Bachelor of Arts must meet this requirement by Language 211, 212. The candidate for the degree of Bachelor of Science may select the language or the science or the mathematics, as recommended by his major adviser. The candidate for the combined degree in Law may select any of the listed alternatives. The candidate for the degree of Bachelor of Business Administration must meet the requirement by Business Administration 213, 214.)

The basic course requirements are to be completed, where possible, by the end of the sophomore year. Some students will find it necessary to postpone some of the basic courses until the junior year in order to make room for certain courses necessary to the work in the major field; but a minimum of twelve hours from among the basic courses must appear on every student's program each semester until these courses are completed, except that after the freshman year a minimum of nine hours each semester may be considered sufficient if other courses necessary to work in the major field must be taken.

No student, except by a specific vote of the College faculty in regular session, may set aside, or substitute another course or other courses for, any of the basic course requirements.

For further details about course requirements for the degree of Bachelor of Business Administration, consult the section of the catalog dealing with the School of Business Administration.

* With the permission of the German Department, German 261, 262 may be substituted for German 211, 212.

Admission to the Upper Division

The work in the lower division, as specified in the preceding pages of this section, is intended to give the student an introduction to the various fields of knowledge and to lay the foundation for concentration in a major subject and related fields during the junior and senior years.

Before applying for admission to the upper division and beginning work on the major subject, a student should have 64 credit hours and 128 quality points in the lower division. In no case will a student be admitted to the upper division with fewer than 54 hours of credit and 108 quality points.

All students at the end of the sophomore year or at the beginning of the junior year are required to pass a proficiency test in the use of the English language.

Course of Study for the Upper Division

Thirty days before the end of his sophomore year each student is required to indicate to the Registrar and to the department or school concerned his selection of a major subject in which he wishes to concentrate during his junior and senior years. Before this selection is formally approved by the Registrar, however, the student must present to him a written statement from the authorized representative of the department or school in which he wishes to major that he has received the permission of that department or school. The student will also at this time be assigned a specific adviser from the department or school to assist him in planning his work for the junior and senior years.

A department which rejects a student as a major will file with the Dean of the College a written statement including the reason(s) for the rejection.

After the beginning of the junior year a student may not change from one major to another without the approval of the departments concerned.

The student's course of study for the junior and senior years includes the minimum requirements for the departmental major (see the table below), together with such other courses as he shall select and his adviser shall approve—the latter courses to be sufficiently related to the student's major to justify their inclusion in his program. This course of study must include a minimum of 42 hours in the student's field of concentration (that is, his major and related courses) beyond the basic course requirements as outlined on pages 111-113.

Students preparing for the ministry are advised to elect twelve additional hours in religion beyond the six hours included in the basic requirements.

The following list indicates the number of hours required in the departmental majors:

Department	*Major*
Biology	32
Chemistry	37
*Economics	30
Education	18
English	30
French	30
German	30
Greek	30
History	30
Latin	30
Mathematics	33
Music	36
Philosophy	24
Physical Education	35
Physics	33
Political Science	30
Psychology	30
Religion	30

* Students in the School of Arts and Sciences who wish to major in Economics must apply to the Dean of the School of Business Administration for approval of the major.

Department	*Major*
Religious Education	30
Sociology and Anthropology	30
Spanish	30
Speech	30

At least half of the major must be completed in Wake Forest College.

Beyond the basic course requirements and the approved course of study in his field of concentration, the student will elect other courses up to a mimimum of 128 hours.

Not more than 40 hours of the 128 hours required for graduation may be taken in a single field of study. For the purposes of this regulation, the following fields of study are recognized: Biology, Chemistry, Economics, Education, English, French, German, Greek, History, Latin, Mathematics, Music, Philosophy, Physical Education, Physics, Political Science, Psychology, Religion, Sociology and Anthropology, Spanish, Speech.

Senior Testing Program

All seniors are required to participate in a testing program designed to provide objective evidence of educational development while in college. The program employs selected portions of the Graduate Record Examination to assess the student's proficiency in the broad areas of the arts and sciences (humanities, social sciences, natural sciences) as well as his competence in his major field. These tests are given in the late spring and results are made available to the student for his information. (This program does not supplant the regular administrations of the Graduate Record Examination for those students applying for admission to graduate schools.)

Bachelor of Business Administration

For the requirements for this degree and the suggested course sequences, see page 249.

Degrees in the School of Law

A combined course makes it possible for a student in Wake Forest College to receive the two degrees of Bachelor of Arts and Bachelor of Laws in six academic years or their equivalent instead of seven years which are required if the two curricula are pursued independently. The first three years of the combined course are in the School of Arts and Sciences and the last three are in the School of Law.

Under this plan the student must first complete three years (96 semester hours) of academic work as follows:

English 111, 112, 151, 152 (12 hours)
Language 111, 112, 151, 152 (0-12 hours) [see page 111]
Religion (6 hours) [see page 112]
History 111, 112 (6 hours)
Mathematics (3 hours)
Science, one of the following:
  Biology 111, 112 (8 hours)
  Chemistry 111, 112 (8 hours)
  Physics 111, 112 (8 hours)
Philosophy 211 (3 hours)
Business Administration 213, 214 or Political Science or Sociology and Anthropology (6 hours) [see page 112]
Physical Education (2 hours)
One of the following:
  Language 211, 212 (6 hours)
  A second natural science (8 hours)
  Business Administration 213, 214 (6 hours)
  Additional mathematics (6 hours)
Electives (to make a total of 96 hours)

The requirement of a major subject for the academic degree is considered as satisfied by one year (29 semester hours) of Law. The details of the plan are as follows:

On the completion of 96 semester hours of academic

work in the School of Arts and Sciences, as above specified, with a minimum average grade of C (or two quality points for each semester hour undertaken), the student may be admitted to the School of Law. (Non-theory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, practice teaching, teaching methods and techniques and similar courses are not acceptable under the above rule. "Required" non-theory work is acceptable up to ten per cent of the total credit offered for admission.) Upon satisfactory completion of the first full year (29 semester hours) of Law, with a cumulative weighted average sufficient for him to remain in the School of Law, the student will be awarded the Bachelor of Arts degree.

The Bachelor of Laws degree will be awarded the student upon the completion of two additional years in the School of Law and upon fulfillment of the requirements for that degree as described on page 269.

At least one year of the required academic work must be taken at Wake Forest College. A student who transfers from another institution at the end of his first or second year must maintain a minimum average grade of C on all academic work undertaken during his residence at Wake Forest College. The academic requirements set forth herein are minimum requirements and do not necessarily entitle an applicant to admission to the School of Law. In addition, students pursuing the combined course plan must take the Law School Admission Test and satisfy all requirements specified for other applicants for admission to the Law School.

Degrees in Medical Sciences

A limited number of students, by taking advantage of the special arrangement explained here, may receive the B.S. degree with a major in Medical Sciences.

Under this plan the student fulfills the requirements for the degree by completing three years of work in the School of Arts and Sciences with a minimum average grade of C, and by satisfactorily completing the first full year of Medicine (at least 30 semester hours) as outlined by the faculty of the Bowman Gray School of Medicine, with a record entitling him to promotion to the Second Year Class. At least one year (32 semester hours) of the required academic work must be completed in Wake Forest College.

Candidates for the B.S. degree with a major in Medical Sciences must complete the following courses in the School of Arts and Sciences before entering the School of Medicine for their fourth year of work:*

Biology 111, 112 (8 hours)
Biology (8 hours) selected from the following: 220, 221, 226, 260, 272, 312, 350.
Chemistry 111, 114 (8 hours)
Chemistry 131 (4 hours)
Chemistry 221 (4 hours)
English 111, 112, 151, 152 (12 hours)
Language, one of the following: French, German, Latin, Russian, Spanish, through 151, 152; or Greek 111, 112. [See page 111.]
Mathematics (6 hours)
Physics 111, 112 (8 hours)
Philosophy 211 (3 hours)
Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.
History 111, 112 (6 hours)
Business Administration 213, 214 or Political Science or Sociology and Anthropology (6 hours). [See page 112.]
Physical Education (2 hours)
Electives (to make a total of 96 hours)

The completion of the prescribed academic subjects does not necessarily admit any student to the School of Medicine. About fifty are chosen from a large number of applicants. All other factors being equal, ap-

* See pages 271-275 and the special bulletin of the Bowman Gray School of Medicine for further information.

plicants who have done all their college work in Wake Forest College are given preference.

Degree in Medical Technology

Students may qualify for the Bachelor of Science degree in Medical Technology by completion of the academic requirements outlined below with a minimum average grade of C, and by satisfactory completion of the full course in Medical Technology offered jointly by the Bowman Gray School of Medicine and the North Carolina Baptist Hospital with a minimum weighted average of 80. At least one year (32 semester hours) of the required academic work must be completed in Wake Forest College. Candidates for the degree must complete the following three-year course before beginning study in the School of Medicine:*

Biology 111, 112 (8 hours)
Biology 226 (4 hours)
Biology [4 hours selected from the following (in order of preference)]: 150, 297, 221, 312, 220.
Chemistry 111, 114 (8 hours)
Chemistry 131 (4 hours)
Chemistry 221 or 124 (4 hours)
English 111, 112, 151, 152 (12 hours)
Language, one of the following: French, German, Latin, Russian, Spanish through 151, 152; or Greek 111, 112. [See page 111].
Mathematics (6 hours)
Physics 111, 112 (8 hours)
Philosophy 211 (3 hours)
Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.
History 111, 112 (6 hours)
Business Administration 213, 214 or Political Science or Sociology and Anthropology (6 hours). [See page 112.]
Physical Education 111, 112 (2 hours)
Electives (to make a total of 96 hours)

* For admission information, see the special bulletin of Bowman Gray School of Medicine.

Degree in Nursing

Students may qualify for the Bachelor of Science degree in Nursing by meeting the academic requirements outlined below and completing the work leading to a Diploma in Nursing from an approved hospital or school of nursing. The usual qualitative requirements must be met for this degree. At least two years. (64 semester hours) of the required academic work must be completed in Wake Forest College. If the candidate is to attend North Carolina Baptist Hospital, the required residence in the College may be reduced to one year. Candidates for the degree must complete the following three-year course before entering the School of Nursing:

Biology 111, 112 (8 hours)
Biology 260 (4 hours)
Biology 297 (2 hours)
Chemistry 111, 114 (8 hours)
Chemistry 221 or 124 (4 hours)
English 111, 112, 151, 152 (12 hours)
Language, one of the following: French, German, Latin, Russian, Spanish through 151, 152; or Greek 111, 112. [See page 111.]
Mathematics (3 hours)
Philosophy 211 (3 hours)
Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.
History 111, 112 (6 hours)
Business Administration 213, 214 or Political Science or Sociology and Anthropology (6 hours). [See page 112.]
Physical Education (2 hours)
Electives (to make a total of 96 hours)
(Suggested electives: English, Psychology, Social Sciences)

Degree With Major in Dentistry

A student may fulfill the requirements for a B.S. degree with a major in Dentistry by completing three years of work in the School of Arts and Sciences with a minimum average grade of C, and by satisfactorily

completing the first two years of work in one of certain approved dental schools designated by Wake Forest College, with a record entitling him to advancement to the Third Year Class.

For this degree the requirements in the School of Arts and Sciences are the same as outlined above for the B.S. degree with a major in Medical Sciences.

Degrees in Engineering

The 3-2 Engineering Program

Wake Forest College now cooperates with Duke University and North Carolina State College in offering a broad course of study in the arts and sciences combined with specialized training in engineering.

This program, for outstanding students, covers five years of study including three initial years on the campus of Wake Forest College and two full years of technical training at one of the schools of engineering. Depending upon the school and field of engineering chosen, it may be necessary for a student to take an additional summer's work in engineering.

Upon successful completion of the five years of study the student will receive the degree of Bachelor of Science from Wake Forest College and the degree of Bachelor of Science in one of the specialized engineering fields from the engineering school of his choice.

By obtaining the first degree from Wake Forest College and the second from an engineering college, the graduate will be well suited for positions of higher responsibility where public relations and technical knowledge are combined. This combination plan is recognized by nationally known educators as a wise program in allowing the student a broad background in the liberal arts in addition to the specialized and technical training involved in the engineering degree.

The curriculum for the first three years must include all the basic course requirements for the Bachelor of Science degree, as outlined on pages 111-113 of this catalog. A suggested program follows:

Freshman Year	*Hours*	
English 111, 112	3	3
Physics 111, 112	4	4
Mathematics 111, 112	3	3
Foreign Language 151, 152	3	3
*Religion	3	3
Physical Education 111, 112	1	1
	17	17
ROTC if elected	1	1
	18	18

Sophomore Year	Hours	
English 151, 152	3	3
History 111, 112	3	3
Physics 151, 152	3	4
Chemistry 111, 114	4	4
Mathematics 113, 251	3	3
	16	17
ROTC if elected	2	2
	18	19

Junior Year	Hours	
Mathematics 311	3	
Philosophy 211		3
†Mathematics Elective	3	3
†Science Elective	4	4
Humanities Elective	3	3
Business Administration 213, 214, or Political Science 151, 152* or Sociology 151 and 3 additional hours in Sociology and Anthropology	3	3
	16	16
ROTC if elected	2	2
	18	18

* See page 112.
† Depending upon Engineering Specialty.

This is a rigorous curriculum and demands students with an aptitude for science and mathematics. The electives will be chosen in consultation with the engineering adviser in the Department of Physics.

See page 181 for statement concerning transfer of ROTC credit to another institution.

Degrees in Forestry

Wake Forest College now cooperates with Duke University in an academic forestry training program. A student in this program devoted three years to study in the arts and sciences at Wake Forest College. (At least two years (64 semester hours) must be completed in Wake Forest College.) He spends the summer between his junior and senior years and the two following years in the Duke University School of Forestry. Upon the successful completion of this five-year course of study he receives the degree of Bachelor of Science from Wake Forest College and the degree of Master of Forestry from the Duke School of Forestry.

A student who wishes to qualify for this program must make formal application for admission to the Duke School of Forestry not later than the end of the first semester of his third year in college. To qualify for admission he must have followed a planned course of study as outlined below, must have the official recommendation of Wake Forest College, and must have an over-all quality point ratio of at least 2.5.

Candidates for the degrees in forestry must complete the following three-year course before beginning study in the Duke School of Forestry:

Biology 111, 112 (8 hours)
Business Administration 213, 214 (6 hours)
Chemistry 111, 114 (8 hours)
English 111, 112, 151, 152 (12 hours)

Language, one of the following: French, German, Latin, Russian, Spanish through 151, 152; or Greek 111, 112. [See page 111.]
Mathematics 111, 112 (6 hours)
Physics 111, 112 (8 hours)
Philosophy 211 (3 hours)
Religion (6 hours) selected from the following: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.
History 111, 112 (6 hours)
Physical Education (2 hours)
Six hours beyond the first year introductory courses in any one of the biological, physical, or social sciences.
Electives (to make a total of 96 hours)
(Suggested electives: Biology, Chemistry, Logic, Mathematics, Speech)

Students in this program will be advised in the Department of Biology.

See page 181 for statement concerning transfer of ROTC credits to another institution.

COURSES IN ARTS AND SCIENCES

Divisions

The numbers of the courses offered by the various departments are explained as follows: courses 1-99 carry no credit; courses 101-199 are primarily for freshmen and sophomores; courses 201-299, primarily for juniors and seniors; courses 301-399, for juniors, seniors, and graduate students; and courses 401-499, for graduate students. The letter S used as a prefix to a course number indicates that the course is offered during the summer session only.

Before admission to the upper division, a student must have credit for at least 54 hours in the lower division, with a minimum of 108 quality points.

Credit Hours Defined

All credit hours are based upon the semester, or half of an academic year of nine months. In the departments which follow, in alphabetical order, the credit hours for each course are the same as the number of class periods per week unless otherwise specified.

Both in the summer term and in the fall and spring terms, the credit for any course is the same, generally three hours based on 48 class periods, or the equivalent in laboratory work.

Explanation of the Schedule

In this number of the BULLETIN OF WAKE FOREST COLLEGE the schedule of classes is announced for the fall and spring terms only; the schedule of classes for the summer term is given in the special bulletin. The numbers following the days of the week indicate the periods during which the classes are offered.

Courses with odd numbers are regularly given in the fall term; courses with even numbers, in the spring term. However, introductory or basic courses in many departments will be offered every term so that students may arrange their work in regular sequence, according to the time of entrance. Accordingly, revised schedules will be prepared each term, supplementing the schedule given here.

Interdisciplinary Honors Program

In September, 1961, Wake Forest College initiated an interdisciplinary Honors program for a selected number of highly qualified students. Participation is by invitation only. Courses are scheduled so that an honors student can elect a course each semester if he chooses. Students who complete with a superior record the course requirements (at least 12 semester hours, including 6 hours in the Lower Division and 6 hours in the Upper Division) and fulfill other specified requirements (including an over-all quality point ratio of at last 3.0 in all college work, the writing of a special paper, and an oral examination on this paper) will be graduated "with Honors in the Arts and Sciences."

The courses described below are designed to supplement the usual general education of the freshman and sophomore years and the more specialized work of the junior and senior years.

The Honors program is supervised by a Faculty Committee on Honors. Courses in the program are taught by faculty members from various academic departments of the College.

Honors 131, 132. *Approaches to Human Experience* (*I*)

An inquiry into the nature and interrelationships of several approaches to man's experience, represented by the work of such men

as Leonardo da Vinci, St. Augustine, Dante, Newton, Gandhi, Mozart, Jefferson, and Einstein. Seminar discussion based on primary and secondary sources, including musical works and paintings. Written reports and a term paper required.

(Offered in alternate years) *3 hours credit each semester*

Honors 133, 134. *Approaches to Human Experience (II)*

A parallel course to Honors 131, 132, concentrating on the work of a different set of figures such as Buddha, Galileo, Tolstoy, Pascal, Sophocles, and Bach.

(Offered in alternate years) *3 hours credit each semester*

Honors 233. *Darwinism and the Modern World*

A study of the Darwinian theory evolution and the impact of evolutionary thought on fields such as economics, politics, psychology, literature and the other arts, and philosophy.

(Offered in alterate years) *Credit, 3 hours*

Honors 235. *The Ideal Society*

Man's effort to establish or imagine the ideal community, state or society, principles of political and social organization, changing goals and values. Study of historical communities such as those of the pre-Christian Essenes, Geneva under John Calvin, Fourierite and Owenite communities of the 19th century. Reading in such works as Plato's *Republic*, Augustine's *The City of God*, More's *Utopia*, Bacon's *The New Atlantis*, Rousseau's *Emile*, Orwell's *1964*, and Skinner's *Walden Two*.

(Offered in alternate years) *Credit, 3 hours*

Honors 237. *The Scientific Method*

An exploration into the origins and development of the scientific method and into some of its contemporary applications in the natural and social sciences and the humanities.

(Offered in alternate years) *Credit, 3 hours*

Honors 238. *Romanticism*

Romanticism as a recurrent characteristic of mind and art and as a specific historical movement in Europe and America in the late 18th and 19th centuries. Emphasis upon primary materials in such fields as philosophy, history, literature, music and painting.

(Offered in alternate years) *Credit, 3 hours*

Honors 242. *The Comic View*

The theory of comedy in ancient and modern times; the expression of the comic spirit in literature, art, music, the theater and the motion picture.

(Offered in alternate years) *Credit, 3 hours*

Honors 281. *Directed Study*

Readings on an interdisciplinary topic not primarily within the student's major field, supervised by a faculty participant in the Honors program or a member of the Committee on Honors. To be accepted for directed study a candidate must submit for the approval of the Committee a description and justification of his project including an outline of principal materials to be studied. The student will be expected to keep a record or "scholar's journal" on his work, to make bi-weekly progress reports to his faculty supervisor, and to perform satisfactorily on a final examination administered by the faculty supervisor and the Committee on Honors. Junior standing required.

Credit, 3 hours

Departmental Honors Programs

A number of departments in the College offer specialized honors programs for highly qualified majors, who may be graduated "with distinction" in their major field. Information on these programs is given under the departmental headings below.

Biology

Professors Cocke, Allen, Flory
Associate Professors Davis, Wyatt
Assistant Professors Amen, Dimmick, Higgins, McDonald, Olive, Sullivan
Instructor Clark

A major in Biology consists of 32 hours which must include Biology 111 and 112; 7 or 8 hours selected from Biology 226, 240, 297, 312, 313, 314, 319, 390; 7 or 8 hours selected from Biology 150, 220, 231, 233, 260,

334, 341; and 7 or 8 hours selected from Biology 227, 228, 318, 325, 338, 345, 355. A student must achieve an overall average of C on all Biology courses attempted to graduate with a major in Biology.

Required related courses for the major are: one year of Physics, one year of general Chemistry and either Chemistry 124 or 221. The Physics requirement may be waived in the case of Biology majors who meet the requirements for a Grade A teaching certificate. Calculus is recommended.

Highly qualified Biology majors are considered by the Department for admission to the honors program in Biology. They must meet certain preliminary requirements, earn a QPR of not less than 3.0 on all college work and 3.3 on all work in Biology, complete Biology 391 and pass a comprehensive oral examination. They are then graduated with the designation of "distinction in Biology." For additional information consult members of the Biology staff.

Biology 111 and 112 are prerequisite to all other Biology courses except 150.

111, 112. *General Biology*

An introductory course, in which the fundamental facts of the structure and activity of plants and animals are stressed. The laboratory work will provide examples of important biological principles and organisms. Three hours lecture, three hours laboratory. Biology 111 prerequisite to Biology 112. *Credit, 4 hours each semester*

150. *Anatomy and Physiology*

Lectures and readings in human anatomy and physiology. Not open to students who have completed or who are enrolled in a course in comparative chordate anatomy. Three hours lecture.

Credit, 3 hours

220. *Comparative Chordate Anatomy*

A comparative study of the anatomy of chordate animals. Dissection of type forms in the laboratory. Two hours lecture, four hours laboratory.

Credit, 4 hours

226. *Microbiology*

A study of the more important groups of microorganisms; bacteria, yeasts, molds, viruses, et cetera. Major emphasis will be placed on the bacteria and their activities. Two hours lecture, four hours laboratory. *Credit, 4 hours*

227. *Survey of Non-vascular Plants*

Representative species of non-vascular plants (algae, fungi, mosses and others) will be examined with emphasis on morphology and phylogeny. Two hours lecture, four hours laboratory.
Credit, 4 hours

228. *Survey of Vascular Plants*

A comparative survey of the vascular plants with emphasis on the structure, reproduction, and classification of selected types to portray the evolutionary development of the group. Two hours lecture, four hours laboratory. *Credit, 4 hours*

231. *Invertebrate Zoology*

A detailed study of invertebrate animals, exclusive of insects, from the standpoint of taxonomy, morphology, physiology, and phylogenetic relationships. Two hours lecture, four hours laboratory.
Credit, 4 hours

233. *Vertebrate Natural History*

A detailed study of the natural history, distribution, identification, classification and adaptations of the major vertebrate animals. Collecting and preserving techniques in the field will be stressed. Two hours lecture, four hours laboratory. *Credit, 4 hours*

240. *Principles of Ecology*

A synthesizing course intended to acquaint the student with the inter-relationships between the organism and the environment. Fundamental ecological aspects of individual organisms, populations, and communities will be stressed. Two hours lecture, four hours laboratory. *Credit, 4 hours*

260. *Vertebrate Embryology*

A study of vertebrate embryological development. Two hours lecture, four hours laboratory. *Credit, 4 hours*

291. *Education—Teaching of Science*

Credit, 3 hours

297. *Microtechnique*

A course designed to introduce the student to histological and cytological methods in the preparation of animal and plant materials for microscopical study. Four hours laboratory. *Credit, 2 hours*

301. *Principles of Modern Botany*

A course for secondary school teachers designed to illustrate selected biological principles. A survey of the plant kingdom with emphasis on taxonomy and phylogeny will be followed by a consideration of important physiological principles. Laboratory exercises and field work will be designed to be helpful to secondary school teachers in organizing their own laboratories. Not for credit toward a M.A. in Biology. *Credit, 3 hours*

302. *Principles of Modern Zoology*

A course for secondary school teachers designed to illustrate important biological principles. Lectures will include a survey of the animal kingdom followed by a review of the basic principles of animal reproduction, genetics, ecology, and evolution. Laboratory exercises and field work will be designed to be helpful to high school teachers in organizing and directing laboratory exercises in their own schools. Techniques for preparing laboratory specimens and demonstration materials will be considered. Not for credit toward a M.A. in Biology. *Credit, 3 hours*

312. *Genetics*

A study of the principles of inheritance and their applications to plants and animals. Three hours lecture, two hours laboratory. *Credit, 4 hours*

313. *Biological Effects of Radiations*

The action of ionizing and excitational radiations on living systems, the mechanisms of radiation damage, and the morphological and physiological effects. Two hours lecture and two hour laboratory. Prerequisites or corequisites, Chemistry 221, 222 and Physics 111, 112. *Credit, 3 hours*

314. *Principles of Evolution*

Analysis of the theories, evidences, and mechanisms of evolution. Three hours lecture. *Credit, 3 hours*

318. *Economic Botany*

A study of plants in terms of their economic importance. Emphasis will be placed on spermatophytic taxa yielding products useful to man. Prerequisite, Biology 228. Three hours lecture. *Credit, 3 hours*

319. *History of Biological Sciences*

A survey of the historical background and development of the biological sciences together with a biographical study of the outstanding biologists and physicians. Three hours lecture. *Credit, 3 hours*

321. *Animal Parasitology*

A survey of protozoan, helminth, and arthropod parasites from the standpoint of morphology, taxonomy, life-histories, and host-parasite relationships. The laboratory will include a detailed study of representative types and techniques for collecting, preserving, and preparing animal parasites for study and identification. Two hours lecture, four hours laboratory.

Credit, 4 hours

325. *Plant Anatomy*

A study of comparative anatomy of the vascular plants based primarily on a phylogenetic approach, with an introduction to anatomical microtechniques. Two hours lecture, four hours laboratory.

Credit, 4 hours

334. *Entomology*

A study of insects from the standpoint of structure, development, taxonomy, and phylogenetic relationships. Economic aspects will be included. Two hours lecture, four hours laboratory.

Credit, 4 hours

338. *Taxonomy of Seed Plants*

A study of the classification of seed plants, with emphasis on a comparative study of orders and families. Collection, identification, and preparation of herbarium specimens will be stressed. Two hours lecture, four hours laboratory. *Credit, 4 hours*

341. *Animal Ecology*

A study of animal communities, ecological dynamics, geographic distribution and the responses and adjustments of species and individuals to the physical factors of their environment. Two hours lecture, four hours laboratory. *Credit, 4 hours*

345. *Plant Ecology*

A study of plant communities and the interrelationships of the organisms therein as they are affected by the physical factors of the environment. Two hours lecture, four hours laboratory.

Credit, 4 hours

350. *Animal Physiology*

Comparative study of physiological systems in different organisms approached through a study of cells and tissues. Prerequisite two years of biology and one year of chemistry. Organic chemistry is recommended. Two hours lecture, four hours laboratory.
Credit, 4 hours

355. *Plant Physiology*

Fundamental physical and chemical phenomena of higher plants. Prerequisite, one year of chemistry. Two hours lecture, four hours laboratory. *Credit, 4 hours*

372. *Vertebrate Histology*

A comparative study of the microscopic anatomy of vertebrates. Two hours lecture, four hours laboratory. Prerequisites: Biology 220 or 260. *Credit, 4 hours*

390. *Research Methods in Biology*

An introduction to bibliographic, statistical and graphic methods, including experimental design, instrumentation, preparation of manuscripts and survey of research opportunities in biology. Open to seniors and graduate students. Two hours lecture. *Credit, 2 hours*

391. *Special Problems in Biology*

Independent library and laboratory investigation carried out under the direction and supervision of a member of the staff. Registration by permission of the instructor. Six hours per week. *Credit, 2 hours*

Courses for Graduate Students

417. *Cytology and Cytogenetics*

A study of the cell stressing nuclear structure and chromosome behavior. Practice in current cytological techniques and review of literature will be emphasized. Two hours lecture, four hours laboratory. *Credit, 4 hours*

421. *Helminth Parasitology*

Basic treatment of the morphology, physiology, life cycles, environmental relation, and systematics of helminth parasites. Two hours lecture, four hours laboratory. *Credit, 4 hours*

426. *Mycology*

Taxonomy, morphology, and physiology of the fungi. Two hours lecture, four hours laboratory. *Credit, 4 hours*

427a, 427b. *Phycology (Algology)*

Morphology, taxonomy, reproduction, development, and phylogeny of the algae. One hour lecture and two hours laboratory. Continues for two semesters. *Credit, 2 hours each semester*

431. *Advanced Invertebrate Zoology*

A study of selected free living invertebrates with emphasis on their natural history and physiology. The laboratory will emphasize the use of selected invertebrates for investigation of basic biological processes. Two hours lecture, four hours laboratory. *Credit, 4 hours*

433. *Advanced Vertebrate Zoology—Ornithology*

A study of migration, speciation, reproductive and corporeal physiology, and systematics of birds. Two hours lecture, four hours laboratory. *Credit, 4 hours*

434. *Advanced Vertebrate Zoology—Mammalogy*

A detailed study of the classification, population dynamics, reproductive physiology, and adaptations of mammals. Field and laboratory techniques will be employed. Two hours lecture, four hours laboratory. *Credit, 4 hours*

438a, 438b *Dendrology*

Identification, classification and anatomy of native trees and shrubs of North Carolina. Both summer and winter characteristics will be considered. One hour lecture, two hours laboratory. Continues through two semesters. *Credit, 2 hours each semester*

444. *Hydrobiology*

An introduction to the fresh-water environment; a study of lakes, ponds, and streams, their origin, development, physical and chemical characteristics, and their biological communities. Prerequisite one year of chemistry, permission of the instructor. Two hours lecture, four hours laboratory. *Credit, 4 hours*

450. *Cellular Physiology*

Cellular dynamics as related to animals, plants, and microorganisms involving electrical phenomena of membranes, active transport, enzyme systems, and organelle interactions. Two hours lecture, four hours laboratory. *Credit, 4 hours*

454. *Ecological Animal Physiology*

A study of the physiological adaptations of animals in relation to their habitat and niche requirements and the effects of light, temperature humidity, acid-base ration, and biological competition on the physiological adjustments of representative animals. Two hours lecture, four hours laboratory. *Credit, 4 hours*

455. *Plant Growth and Development*

The physical and chemical regulation of selected plant processes, with emphasis on the physiological effects of hormones, other plant regulators, and light on seed germination, rooting, stem elongation, and flowering. Two hours lecture, four hours laboratory. *Credit, 4 hours*

460. *Experimental Embryology*

A study of the principles underlying the organization and development of the animal embryo. Two hours lecture, four hours laboratory. *Credit, 4 hours*

Seminar Courses

One or more seminar courses from the following list will be offered each semester. Schedule to be arranged, usually in the evenings from 7:00 to 9:00 or on Saturday mornings, to meet the needs of interested students.

481. *Seminar in Microbiology*

482. *Seminar in Invertebrate Zoology*

483. *Seminar in Biosystematics*

484. *Seminar in Ecology*

485. *Seminar in Physiology*

486. *Seminar in Developmental Biology*

487. *Seminar in Cellular Biology.*

488. *Seminar in Evolution and Speciation.*

489. *Seminar in History of Science.*

490. *Seminar in Biogeography*

Thesis

491. *Thesis research,* credit, 3 hours

492. *Thesis research,* credit, 3 hours

Chemistry

Professors Nowell, Black, Miller
Associate Professors Blalock, Gross, P. J. Hamrick
Assistant Professors Baird, Morrison

In addition to the basic courses prescribed by the College, a student desiring to receive the B.S. degree with major in Chemistry is required to take the following course: Chemistry 111-114, 221-222, 332, 361, 341-342, and one course from Chemistry 323, 324, 331; Physics 111-112, Mathematics 112, 113. An average of C in the first two years of Chemistry is required of students who elect to major in this Department. Admission to any class is conditioned by satisfactory grades in prerequisite courses and registration for advanced classes must be approved by the Department.

Wake Forest College is on the list of schools approved by the American Chemical Society. Students who receive the Bachelor's Degree and are certified by the chairman of the department as having fulfilled the minimum requirements for professional training as

adopted by the Society are eligible for membership senior grade in the Society, within two years following graduation and after two years experience in the field of chemistry. Students who desire a specific statement of the minimum requirements of the Society should consult with the staff member who serves as major adviser for students majoring in chemistry.

The following schedule is recommended for students who desire to major in Chemistry: (By following this schedule and the advice of the major adviser a student can meet the minimum requirements of the American Chemical Society.)

Freshman Year*	Sophomore Year*
Chemistry 111, 114	Chemistry 221, 222
English 111, 112	English 151, 152
German, 111, 112	German 151, 152
†History 111, 112	Mathematics 112, 113
Mathematics 105, 111	Physics 111, 112
Physical Education 111, 112	
Junior Year*	**Senior Year***
Chemistry 341-342	Chemistry 361
Chemistry 332	Chemistry, 4 hours
Philosophy 211	‡Electives, 21 hours
Political Science, Sociology or Business Administration, 6 hours	
Religion, 6 hours	
‡Electives, 3 hours	

111. *General Chemistry*

An introductory course emphasizing fundamental chemical principles. Three hours lecture, four hours laboratory. *Credit, 4 hours*

112. *General Chemistry*

A continuation of Chemistry 111 with emphasis on the descriptive chemistry of inorganic substances. Prerequisite: Chemistry 111. Three hours lecture, two hours laboratory. *Credit, 4 hours*

* Military Science may be taken in addition to the courses listed.
† The premedical student should schedule Biology.
‡ Chosen on the advice of the major adviser.

113. *Qualitative Analysis*

A course covering the principles and techniques of separation and systematic identification of the inorganic cations and anions. Open only to students presenting a year of general chemistry without qualitative analysis. Prerequisite: Chemistry 111, 112. Two hours lecture, three hours laboratory. *Credit, 3 hours*

114. *General Chemistry and Qualitative Analysis*

A continuation of Chemistry 111 with emphasis on the study of equilibrium and inorganic chemistry. Approximately two-thirds of the laboratory work is devoted to the principles and techniques of systematic separation and identification of the inorganic cations and anions. Prerequisite: Chemistry 111, Three hours lecture, four hours laboratory. *Credit, 4 hours*

124. *Organic Chemistry*

A study of the chemistry of the aliphatic and aromatic compounds for students whose program demands only one semester of organic chemistry. Chemistry 221 may be substituted for Chemistry 124 but Chemistry 124 may not be substituted for Chemistry 221. Credit will not be allowed for both Chemistry 221 and 124. Prerequisite: Chemistry 111-114 or equivalent, three hours lecture; three hours laboratory per week. *Credit, 4 hours*

131. *Quantitative Analysis*

A course in principles and methods of quantitative analysis for students whose course of study requires one semester of analytical chemistry. Chemistry 332 may be substituted for Chemistry 131, but Chemistry 131 may not be substituted for Chemistry 332. Prerequisites: Chemistry 114 and Mathematics 106. Two hours lecture, four hours laboratory. *Credit, 4 hours*

221, 222. *Organic Chemistry*

A study of the chemistry of the aliphatic and aromatic organic compounds. Prerequisite: Chemistry 114. Three hours lecture, four hours laboratory. *Credit, 4 hours each semester*

281, 282. *Senior Research*

Library, conference, and laboratory work. Open only to major students with a superior record. Six hours a week.

Credit, 2 hours each semester

301, 302. *Principles of Chemistry*

A two-semester lecture and laboratory course stressing the theory of chemical bonding, of acid-base behavior, of oxidation-reduction behavior, and of equilibria and the principles of separation and analysis. The laboratory will include both qualitative and quantitative experiments chosen to supplement the lecture material. Designed for teachers holding Class A certificate; may not count as credit toward the M.A. in Chemistry. Prerequisite: One year of college chemistry. *Credit, 3 hours each semester*

305. *Introductory Organic Chemistry*

A treatment of organic chemistry designed to acquaint the student with the main functional groups of organic chemistry and the more important types of organic reactions. Designed for teachers holding Class A certificate; may not count as credit toward the M.A. in Chemistry. Prerequisite: Two years of college chemistry or Courses 301, 302. *Credit, 3 hours*

323. *Organic Analysis*

A lecture and laboratory course in the systematic identification of organic compounds, including an introduction to instrumental methods of qualitative organic analysis. Prerequisite: Chemistry 222. Two hours lecture, four hours laboratory. *Credit, 4 hours*

324. *Organic Preparations*

A library, conference, and laboratory course in the preparation of organic compounds. Prerequisite: Chemistry 222. Six hours a week. *Credit, 3 hours*

331. *Instrumental Analysis*

A course in the application of physical methods to analytical chemistry. Prerequisite: Chemistry 341. Two hours lecture, four hours laboratory. *Credit, 4 hours*

332. *Analytical Chemistry*

A lecture and laboratory course in the principles and methods of analytical chemistry. Prerequisite: Chemistry 341. Three hours lecture, six hours laboratory. *Credit, 5 hours*

341, 342. *Physical Chemistry*

A course in the fundamentals of physical chemistry. Prerequisites: Chemistry 222, Physics 111-112, and satisfactory work in differential and integral calculus. Three hours lecture, four hours laboratory. *Credit, 4 hours each semester*

361. *Inorganic Chemistry*

A lecture and laboratory course devoted to the principles and theory of modern inorganic chemistry. Prerequisites: Chemistry 341 and Physics 111. Three hours lecture, three hours laboratory. *Credit, 4 hours*

381, 382. *Seminar.*

Discussions of advanced topics in chemistry, especially as applied to contemporary research. Seminars conducted by students enrolled in the course, staff members, and visiting scientists. Open to senior majors and graduate students. One hour per week. No credit given for one semester only. *Credit, 1 hour per two semesters*

Courses for Graduate Students

441. *Atomic and Molecular Structure*

Atomic structure and the formation of chemical compounds. The relation of spectra, dipole moments, thermodynamics, and other physical concepts to molecular structure. Three hours lecture.
Credit, 3 hours

445. *Themodynamics*

A study of the application of the principles of thermodynamics to homogeneous and heterogeneous equilibria. Three hours lecture.
Credit, 3 hours

421, 422. *Advanced Organic Chemistry*

Principles of organic chemistry with particular emphasis on reaction mechanisms. Three hours lecture for two semesters.
Credit, 3 hours each semester

447. *Chemical Bonding*

A study of modern theories of chemical bonding. Three hours lecture.
Credit, 3 hours

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Classical Languages and Literature

Professor Earp
Associate Professor C. V. Harris
Instructors Rickenbacker, Wilson

A major in this Department consists of a minimum of 30 hours in either Greek or Latin.

I

Greek Language and Literature

111, 112. *Elementary Greek*

Greek grammar; selections from Greek prose writers and poets; collateral reading on Greek mythology, history, and antiquities.
M T W Th F 2

211. *Xenophon*

Xenophon: *Anabasis*, fall term. Thorough drill in syntax.
M W F 1

212. *Homer*

Homer: *Iliad* and *Odyssey*, spring term. Thorough drill in syntax.
M W F 7

222. *Plato*

Plato: *Meno* or *Apology*, *Crito*, and selections from the *Phaedo*, spring term.
M W F 3

231. *The Greek New Testament*

Selections from the Greek New Testament, fall term.
M W F 3

261. *Greek Tragedy*

Euripides: *Medea*. This course will include a study of the origin and history of Greek tragedy, with collateral reading of selected tragedies in translation.
T T 4

262. *Greek Comedy*

Aristophanes: *Clouds*. This course will include a study of the origin and history of Greek comedy, with collateral reading of selected comedies in translation.
T Th 4

271. *Greek Civilization*

Lectures and collateral reading upon those phases of Greek civilization which have particular significance for the modern world. Given

the first semester. This course is recommended especially to juniors and seniors. A knowledge of the Greek language is not required.
T Th 7

272. *Greek Literature in Translation*

A study of selections from Greek literature in English translation. Given the second semester. This course is recommednded especially to juniors and seniors. A knowledge of the Greek language is not required.
T Th 7

II

Latin Language and Literature

111, 112. *Introductory Latin*

A course intended for students who have never studied Latin and for those who present only one unit of Latin for entrance.
M W F 1, 6; T T S 1, 4

151, 152. *Grammar, Cicero, Vergil*

This course will include (a) grammar, (b) Cicero's *Letters*, Vergil's *Aeneid*. Prerequisite, two units of entrance Latin or Latin 111, 112.
M W F 4, 7; T T S 1

211, 212. *Livy, Horace, Pliny*

Livy: *Selections*, first semester. Horace: *Odes* and *Epodes*, Pliny's *Letters*, second semester. Prerequisite, four units of entrance Latin or Latin 111, 112 and 151, 152.
M W F 2, 7

221, 222. *Tacitus, Horace, Martial*

Tacitus: *Germania* and *Agricala*, first semester. Horace: *Satires* and *Epistles;* Martial: *Epigrams*, second semester.
M W F 3

241, 242. *Roman Comedy and Satire*

Selected plays of Plautus and Terence, first semester. Petronius and Juvenal, second semester. (This course will be offered in 1965-1966 and in alternate years thereafter.)
T T S 2

250. *Latin Prose Composition*

Hours to be arranged. *Credit, 3 hours*

261, 262. *Roman Philosophy*

Lucretius, Cicero. (This course will be offered in 1966-1967 and in alternate years thereafter.)

T T S 2

271. *Roman Civilization*

This course consists of lectures and collateral reading upon the general subject of Rome's contributions to the modern world. It is recommended especially to juniors and seniors. A knowledge of the Latin language is not required.

T Th 4

272. *Latin Literature in Translation*

A study of selections from Latin literature in English translation. This course is recommended especially to juniors and seniors. A knowledge of the Latin language is not required.

T Th 4

Education

Professors Memory, Parker
Associate Professor Preseren
Assistant Professors Elmore, Prichard
Instructor Wagoner

Institutional Policy. Wake Forest College, since its establishment in 1834, has had as one of its major objectives the preparation of school teachers and officials, and approximately one-fourth of its graduates have served in the classroom. The College recognizes the importance of the profession and knows that the welfare of mankind throughout the ages will be determined in large measure by the quality of educational leadership that is produced. It is, therefore, committed to the policy of encouraging the fit to enter the profession and of denying

the unfit the opportunity. In the matter of both the selection and training of the school group, the appropriate resources of the College are available.

Admission Requirements. Junior standing is a general prerequisite for all courses in Education. Psychology is recommended as a preliminary course, and a course in Public Speaking is highly desirable. Before a student-teaching assignment is granted, the applicant must have had Education 211. The applicant will be examined in order to determine whether he or she meets the requirements specified herein with respect to Directed Teaching.

New Requirements for Teacher Certification in North Carolina. All students who have not been certified before September 1, 1966, to teach in North Carolina must meet new requirements for certification. Those who will be seniors in the fall of 1965 will meet the old requirements, while those who will be juniors in the fall of 1965 will meet the new requirements. Juniors in the fall of 1965 or later should plan their programs to include Education 211 during the junior year. The student also may take elective courses in Education during the junior year, but the other 15 hours of Education required under the new program will be taken simultaneously (in a block) during either the fall or spring semester of the senior year; and, while taking them, the student will be allowed to take no other courses. During the other semester of the senior year the student will be free to take such courses as may suit individual needs and interests.

Major in the Department of Education. Students who major in Education must meet Class A certification requirements in at least one broad field of more than

12 hours, as outlined below. Under the new requirements for teacher certification in North Carolina, one broad field of more than 24 hours will be required. Such certification requires, among other subjects, a course in Directed Teaching.

Directed Teaching. This course, also known as *Practice Teaching* and *Student Teaching*, has as an academic prerequisite an over-all C average on courses taken at Wake Forest and that high in subject of certification on courses credited there. Furthermore, if there is any question about the applicant's fitness for such an opportunity, the approval of the major professors concerned must be obtained as well as that of the Education professors. Those accepted must possess qualities that are generally regarded as desirable for leaders of youth—social, emotional, physical, professional. The number of student-teaching opportunities is limited, and the College reserves the right, through its screening committee, to reject any applicant for reasons sufficient to itself without being under the necessity of establishing those reasons any more than would a medical school or law school under similar circumstances.

In arranging their schedules, seniors should leave vacant at least three consecutive periods daily for Directed Teaching. Chapel attendance is not required of those whose assignments conflict. Cars are needed to get to the high schools, but those who are unable to acquire them are usually able to obtain a ride with others. Students taking Directed Teaching are advised to take no more than 12 semester hours, as the work in this course, although enjoyable and stimulating, is nevertheless intensive and exacting. Under the new requirements for teacher certification in North Carolina, Directed Teaching will be one of the courses of-

fered in the block system. Thus there will be no other courses in progress during the eight weeks while the Directed Teaching is in progress.

State Certificates. Any course offered here will be accredited by the North Carolina State Board of Education as satisfying, in part, the requirements for a State teacher's certificate. Only the courses listed in this department will count as professional credit.

The State Department of Public Instruction awards the High School Certificate, Class A, to graduates of the College who have had the specified courses in their respective teaching fields and the professional courses prescribed as outlined below.

Certification requirements must be met in at least one teaching field; however, a two-subject certificate is far more desirable because many teachers in the State have to teach two subjects, and very little subject departure is permitted without salary penalty.

Certificate requirements in other states may be obtained from the department of Education.

I Academic Requirements

As specified by the State Department of Public Instruction for those completing certificates under the old requirements for teacher certification:

Bible and Religion—21 hours, including 6 in Old Testament, 6 in New Testament, and 9 in electives.

English—30 hours, including English 111-112; 3 hours in Shakespeare, 3 in American Literature, 3 in advanced grammar and composition (English 301, The Structure of English, at WFC). English Literature and Speech are recommended.

French—24 hours (including 6 in spoken language) based on two or more high school units; otherwise, 30 hours. Quantitative requirements for teaching German and Spanish same as for French.

Latin—24 hours based on two or more high school units; otherwise 30 hours.

Mathematics—21 hours, as prescribed by the chairman of the Mathematics department.

Music—36 hours, including 18 hours of Applied Music for the General Certificate and 21 hours of Applied Music for the Instrumental Certificate. For further information, consult Music department section of this catalog.

Health and Physical Education—36 hours. For specific courses required, consult head of Physical Education department.

Science—30 hours*, including 6 in Biology, 6 in Chemistry, 6 in Physics, 3 in Geography (Bus. Adm. 210) or Geology (Biol. 314), and electives to complete the total of 30.

Social Studies—30 hours*, including 6 in European or World History, 6 in American History; 12 from one or more of the following: Government, Geography, Economics, Sociology; 6 in electives from any of the above.

Speech—30 hours. For specific courses required, consult head of Speech department.

For those completing certificates under the new requirements for teacher certification:

English—36 hours, including English 111, 112, 151, 152, 301, 323; at least 3 additional hours in a literature course; at least 3 additional hours in a language course.

French—30 hours, including French 151, 152, 211, 212, 221, 222, 223, 224, or their equivalents; at least 6 hours of courses in literature beyond 212.

German—30 hours, including German 151, 152, 211, 212, 217, 218, 219, 220, or their equivalents; at least 6 hours of courses in literature beyond 212.

LATIN—24 hours based on two or more high school units; otherwise 30 hours.

* Certification will be allowed in any of the individual social studies or sciences on the basis of 12 hours in a particular subject. This course should be followed only as a last resort, as teachers who are certified in broader areas are better equipped and have less difficulty in securing positions. The 12-hour plan is restricted to subjects in science and social studies fields.

Spanish—30 hours, including Spanish 151, 152, 211, 212, 221, 222, 223, 224, or their equivalents; at least 6 hours of courses in literature beyond 212.

Mathematics—30 hours, including Mathematics 111, 112, 113, 121, 232, 321, 331; others as prescribed by the chairman of the Mathematics department.

Music—Approximately 43 hours. For further information, consult Music department section of this catalog or the chairman of the Music department.

Physical Education and Health—44 hours, including Physical Education 220, 221, 224, 251, 252, 253, 254, 255, 256, 258, 263, 222 or 228, and Biology 111, 112.

Science—46 to 51 hours, including 8 in Biology, 8 in Chemistry, 8 in Physics, 6 in Mathematics, plus further depth in Biology (16 hours), Chemistry (21 hours), or Physics (17 hours). Certification is allowed in Biology with 24 hours, in Chemistry with 29 hours, or in Physics with 25 hours.

Social Studies—42 hours, including History 111, 112, 151, 152, Business Administration 213, 214, Political Science 151, 152, Sociology 151, 9 additional hours of History divided between the American and non-American fields, 3 additional hours of Sociology. Certification is allowed in each of the fields of Economics, History, Political Science and Sociology with 24 hours in that field.

Speech—30 hours, including Speech 151, 161, 211, 228, 241, 261 and 152 or 251 and 271 or 272.

II Professional Requirements

Candidates for the High School, Class A, certificate for those completing certificates under the old requirements for teacher certification are required by the North Carolina State Department of Public Instruction to have at least 18 hours in Education distributed as follows: 6 hours in *pupil*-centered courses, 6 related to the *school* as an institution, and 6 in directed *teaching* and *practicum*. To meet this requirement a student must take Education courses numbered 211, 321 (or 341), 201, 251, a methods course in one of the subjects for

which certification is desired, and also one of these: 301, 311, 331, 401. Those completing certificates under the new requirements for teacher certification are required to have 18 hours in Education including Education 201, 211, 251, 291, 331. Education 211 is taken in the junior year; the others are taken as a block during either the fall or spring semester of the senior year.

201. *Secondary Education*

An examination of the fundamental principles involved in the organization and administration of the high school curriculum in the light of individual and social needs; adolescence, methods, lesson planning, and pupil accounting.

M W F 3; T Th S 1; Spring term M W F 3 *Credit, 3 hours*

211. *Educational Psychology*

General principles of adolescent developmental behavior. Physical, social, and psychological aspects of personality development and individual differences. Nature, theory, and conditions of learning. Techniques of problem solving. Appraising and directing learning.

M W F 3, 4, 6; T Th S 1; Spring term M W F 2, 4, 6; T Th S 1
Credit, 3 hours

251. *Directed Teaching*

This course contains the specific activities identified with systematic and formal observations, supervised student teaching, and with varied activities related to the job of actual teaching, as specified by regulations of State Department of Public Instruction. Seniors only. C average, or higher, required in subject of certification. For other prerequisites see page 146.

Five hours to be arranged, each term *Credit, 3 hours*

291, 292. *Methods and Materials*

With a functional approach, each of the following methods courses is designed to familiarize the prospective teacher with those methods and materials which are actually used in the respective subjects in public high schools. Since all methods courses are not offered each semester, students who are eligible should schedule

them early in their junior or senior years. All methods courses are numbered 291 (Fall), 292 (Spring).

Education—Teaching of Choral Music

Education—Teaching of Instrumental Music

Education—Teaching of Mathematics

Education—Teaching of Science

Education—Teaching of Religion

Education—Teaching of Health and Physical Education

Education—Teaching of Modern Foreign Languages

Education—Teaching of Latin

Education—Teaching of Social Studies

Education—Teaching of English

Education—Teaching of Speech

301. *Audio-Visual Education*

A survey of the theory, history, and techniques of using audio-visual aids, and their application to the current educational program.

M W F 7, 8; spring term, M W F 3, 7 *Credit, 3 hours*

311. *History of Education*

A study of educational opinion and practices from the primitives down to the present era; emphasis on the school as a contributor to democratic living and community building.

T Th S 2; spring term, M W F 4; T Th S 2 *Credit, 3 hours*

321. *Measurement and Guidance*

Introductory course. A study of individual differences through statistical techniques as applied to mental and educational measurement; the interpretation and use of standard tests, the construction of informal objective tests, counseling, and audio-visual aids.

M W F 2, 4; spring term, M W F 2, 4 *Credit, 3 hours*

331. *Educational Organization, Administration, and Evaluation*

School organization and administration including pupil personnel services, pupil promotion policies and practices, pupil accounting, co-curricular activities, articulation, financial support, legal basis for education, and federal, state, and local relationships in the provision of public education. Accreditation and teacher certification, and the evaluation of the total school program. *Credit, 3 hours*

341. *Introduction to Counseling*

Philosophical, psychological, social, and historical foundations of counseling. Counseling theories and points of view. Counseling and learning; organization and administration of guidance programs; research and evaluation in counseling.

M W F 1; spring term, M W F 1 *Credit, 3 hours*

351. *Sociology of Education*

Objective comparative study of Education as a social process in various cultures and historical periods, with main emphasis on present education in the United States, Great Britain, and the Soviet Union.

Fall term *Credit, 3 hours*

Course for Graduate Students

401. *Educational Philosophy*

The place of the school in the American social order, an interpretation of educational values, and a consideration of school curricula in the light recognized objectives of education.

Spring term, T Th 7 P.M. *Credit, 3 hours*

English

PROFESSORS WILSON, BRODERICK,* FOLK, SNUGGS
ASSOCIATE PROFESSORS AYCOCK, BROWN, PHILLIPS
ASSISTANT PROFESSORS JUDSON B. ALLEN, CARTER, DRAKE, KENION, SHORTER, SINCLAIR, WALHOUT
INSTRUCTORS ADAMS, BLAND, EFIRD, FOSSO, IKERD, LOVETT, RAYNOR, WOODELL

Courses 111, 112, and 151, 152, for freshmen and sophomores, are prescribed for all degrees, and are pre-

* Absent on leave, 1964-1965.

requisites for admission to all advanced courses in English.

The major in English requires a minimum of 30 credit hours, of which at least 18 must be taken in the junior and senior years in courses numbered above 200. The minimum requirement for all English majors is five advanced courses in literature. Of these, three must be in English literature (including one in literature before 1700 and one in literature after 1700) and one in American literature. The advanced courses must also include one course in each of the major *genres:* poetry, fiction, and drama; and one single-author course and one period course.

(A single course may satisfy two or three of the categories above. For example, a course in Shakespeare would satisfy the requirements for a course in English literature before 1700, a course in drama, and a single-author course.)

Highly qualified English majors are considered by the Department for admission to the honors program in English. They must meet certain preliminary requirements; earn a QPR of not less than 3.0 on all college work and 3.3 on all work in English; complete at least 20 hours in advanced courses in English, meeting the distribution requirements for all English majors and including in addition English 281 (to be taken in the fall semester of the senior year); complete satisfactorily a senior research paper; and pass a comprehensive written examination based on a general reading list and on a specialized reading list in a special area chosen by the student. They are then graduated with the designation of "distinction in English." For additional information consult members of the Department of English.

11. *Composition Review**

Essentials of standard usage and the basic principles of unity and coherence in sentence and paragraph; frequent themes. Required of those who have been assigned "composition conditions" (see footnote on this page). The course carries no credit; the class meets three hours per week.

111. *English Composition*

A basic course in writing, which provides training in clear thinking and effective expression; frequent themes, corrective exercises, reading in modern prose, individual conferences; no credit given until the student has demonstrated ability to write satisfactorily.

112. *Composition and Literature*

Study and practice in the several types of writing, with special attention to the preparation of an investigative paper; readings in modern literature, with themes related to the reading; originality and individuality of style emphasized. Prerequisite, English 111.

151. *Major American Writers*†

A study of major American writers, including Poe, Emerson, Hawthorne, Thoreau, Melville, Whitman, Dickinson, and Mark Twain. Emphasis on reading rather than on literary history. Prerequisite, English 111-112.

152. *Major British Writers I*

A study of major works of several British poets and prose writers, including Chaucer, Spenser, Shakespeare, Milton, and Swift. Emphasis on reading rather than on literary history. Prerequisite, English 111-112.

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* Proficiency in the use of the English language is recognized by the Faculty as a requirement in all departments. A composition condition, indicated by *cc* under the grade for any course, may be assigned in any department to a student above the freshman year whose writing is unsatisfactory, regardless of previous credits in composition. Also the composition of all rising juniors, both Wake Forest students and transfers, is examined for proficiency. The writing of Wake Forest students is checked during their last course in sophomore English; that of transfers is checked during the orientation period each fall. For removal of a composition condition the student is required to take English 11 during the first semester for which he registers following the assignment of the *cc*. Since English 11 is not taught in the summer terms, a summer school student needing to remove a composition condition may repeat English III without credit. Removal of the deficiency is prerequisite to graduation.

† This course is required of all sophomores in Wake Forest College, on the theory that every college student should have an introduction to the literature of his own country. It is not required of students who transfer from other standard institutions with credit for the regular one-year course in sophomore literature, regardless of the content.

154. *Major British Writers II*

A study of several British writers from the Romantic, Victorian, and modern periods. Emphasis on reading rather than on literary history. May not be taken in the place of English 151 or English 152. Prerequisite, English 111-112.

212. *Literary Criticism*

Study of the basic principles of the great critics with practical application to specific literary works, Prerequisite, English 151-152.

246. *Modern Drama*

Extensive reading in the works of representative European, British and American dramatists from Ibsen to the present, in approximately chronological order, with attention to purposes, themes, and the evolution of modern techniques. Prerequisite, English 151-152.

MR. FOLK

248. *The Modern Novel*

Readings in recent fiction. Emphasis on British authors. Prerequisite, English 151-152. MISS PHILLIPS

253. *American Fiction*

Studies in the novel and the short story, with reading of representative works of Cooper, Poe, Hawthorne, Melville, James, and others. Prerequisite, English 151-152. MR. BRODERICK

256. *American Prose*

Studies in the thought of the nineteenth century, with the subject matter from Emerson and his contemporaries. Prerequisite, English 151-152.

261. *Essay Writing*

Primarily for those who are interested in writing for publication, with concentration on the various types of essays; wide reading in both modern and older essays; admission to the class only after conference with the instructor. Prerequisite, English 151-152.

MR. FOLK

Credit, 2 hours

262. *Short Story Writing*

A study of the fundamental principles of short fiction writing, with much collateral reading in the short story, and constant practice in writing; admission by consent of the instructor. Prerequisite, English 151-152. MR. FOLK

Credit, 2 hours

263. *Expository Writing*

An advanced course in the theory and practice of exposition and expository argumentation. Emphasis on logical thinking and on clarity and cogency in organizational structure and style. This course is not credited toward an English major. Prerequisite, English 151-152, and C average in freshman English. MRS. RAYNOR

281. *Directed Reading*

A conference course for honors students in the senior year. Under the guidance of an appropriate faculty member, the student will be expected to master a reading list in a specialized area of the field of English and to prepare a senior paper in the area of specialization. *Credit, 2 hours*

291. *Education—The Teaching of English*

A course which is credited as Education in the professional requirement for a high school teacher's certificate. A thorough review of English grammar with emphasis on the functional approach; directions for and activity in teaching composition and literature for high school students; use of audio-visual aids. Prerequisites, senior standing, English major, and a superior record. MR. AYCOCK

301. *The Structure of English*

An introduction to the principles and techniques of descriptive linguistics applied to contemporary American English. The chief concern is with syntax, morphology, and phonology. Some attention to (1) usage, (2) the relation of the phonemic system to orthography, and (3) regional variations in grammar, pronunciation, and vocabulary. Students are required to write two or three short papers. The course satisfies a state requirement for public-school certification in English. It is also open to students who do not plan to teach. Prerequisite, English 151-152. MR. SHORTER

304. *History of the English Language*

A survey of the development of English syntax, morphology, phonology, and vocabulary from Old English through Middle and Early Modern English to the present day, with some attention to the relation of English to the Indo-European language family. Prerequisite, English 151-152.

310. *Introduction to Medieval Literature*

A study of important medieval literary works, exclusive of Chaucer's, illustrating literary genres, theories of interpretation, and major

literary themes. Attention will be given to problems of bibliography and language relevant to the readings. Prerequisite, English 151-152.
Mr. Allen

311. *English Drama to 1580*

Reading of representative selections of English dramatic literature from the medieval beginnings to 1580, studied in relation to liturgical, literary, and social background, and used as a basis for consideration of dramatic theory. Primary emphasis is on the Cycle Plays and the Moralities. Prerequisite, English 151-152. Mr. Shorter

315. *Chaucer*

An introduction to Chaucer as a literary artist and master storye teller, with emphasis on *The Canterbury Tales* and *Troilus and Criseyd*- studied in relation to sources, and to literary and social background. Prerequisite, English 151-152. Mr. Folk

320. *Spenser*

Life and works of Edmund Spenser in relationship to the background of the Renaissance and to the Elizabethan era; concentration on *The Faerie Queene*. Prerequisite 151-152. Mr. Snuggs

323. *Shakespeare*

An introduction to Shakespeare as a dramatist and poet in relationship to his predecessors and contemporaries; a study of representative plays in the approximate chronological order, with the reading of additional plays; attention to problems of biography, dramatic companies, theatres, sources and criticism. Prerequisite, English 151-152. Mr. Snuggs

326. *English Literature, 1600-1660*

A survey of non-dramatic prose and poetry of the Seventeenth Century, exclusive of Milton. Reading will include poetry of Jonson, Donne, Herbert, Crashaw, Marvell, Herrick, and prose of Bacon, Burton, Browne, and Walton. Consideration of the religious, political, and scientific background of the period. Prerequisite, English 151-152. Mr. Fosso

327. *Milton*

A study of the poetical works of John Milton, with the concentration on *Paradise Lost*, and with the reading of selected prose; special attention to the life and personality of the author and to the literary and historical backgrounds of the era. Prerequisite, English 151-152.
Mr. Snuggs

328. *The Age of Dryden*

A study of English prose, verse, and drama from 1660 to 1700. Emphasis on the works of John Dryden as the dominant figure of the period, on literary theory, and on the comedy of manners. Prerequisite, English 151-152. MR. KENION

331. *The English Novel to 1832*

The history of the English novel to 1832, chiefly through the reading and analysis of representative works which illustrate the evolution and progress of the form; emphasis on Defoe, Richardson, Fielding, Smollett, Sterne, Austen, and Scott. Prerequisite, English 151-152. MR. BROWN

333. *The Age of Pope*

A study of representative works of the major English writers of the period 1700-1740. Special emphasis upon Swift, Pope, Addison, and Steele, but attention also to other significant figures. Prerequisite, English 151-152. MR. KENION

334. *The Age of Johnson*

A study of the major English writers from Gray to Burns excluding the novelists; special attention to the letter writers and to Johnson, Boswell, Goldsmith, and Burns; collateral reading in Gibbon, Burke, and Reynolds. Prerequisite, English 151-152. MR. BROWN

337. *Romantic Poets*

A rapid survey of the beginnings of romanticism in English literature, followed by a study of Wordsworth, Coleridge, Byron, Keats, and Shelley; collateral reading in the prose of the period. Prerequisite, English 151-152. MR. WILSON

338. *Blake, Yeats, and Thomas*

A reading and critical analysis of the poetry of Blake, Yeats, and Dylan Thomas; some attention to the literary movements with which they are associated. Prerequisite, English 151-152. MR. WILSON

340. *Victorian Novelists*

A study of Dickens, Thackeray, the Brontes, Eliot, and Meredith, with some attention to their contemporaries; special attention to the social and literary background. Prerequisite, English 151-152. MR. DRAKE

341. *The Major Victorian Poets*

A study of Tennyson, Browning, and Arnold as literary artists and as exponents of the literary, social and philosophical concepts of their era. Prerequisite, English 151-152. MR. DRAKE

342. *From Victorian to Modern*

A study of English prose, poetry, and fiction from 1860 to 1900, with emphasis upon predominant social and intellectual currents of the period; writers to include Arnold, Huxley, Ruskin, Pater, Hardy, Swinburne, Meredith, and Butler. Prerequisite, English 151-152. MR. CARTER

345. *Twentieth Century Poetry*

A study of selected American and British poets of the twentieth century, with attention to the transition from post-Victorianism, the renaissance following 1912, experimentation, and present trends. A study of poetry as the product of the new era, and of poets as its interpreters. Prerequisite, English 151-152. MISS PHILLIPS

358. *Whitman and His Contemporaries*

Studies in major American poets of the nineteenth century, with concentration on Walt Whitman. Prerequisite, English 151-152. MR. BRODERICK

359. *Literature of the South*

Studies in the poetry and prose of the Southern United States, chiefly of the nineteenth and twentieth centuries. Prerequisite, English 151-152. MR. WALHOUT

Courses for Graduate Students

410. *Literary Criticism*

A survey of the main theories of literature and their application, especially of the sixteenth and seventeenth centuries, with attention to their ancient antecedents: Aristotle, Longinus, and Horace. Intensive study of the important critical works; more rapid reading of others. An investigative paper will be required of each member of the class. MR. SNUGGS

Spring *Credit, 3 hours*

419. *English Drama, 1580-1642*

Reading of representative plays of the period. Intensive study of one playwright's works. Introduction to bibliography and methods of

research in the field. A research paper required of each one in the course. MR. SNUGGS

Fall *Credit, 3 hours*

425. *Studies in Seventeenth Century English Literature*

Non-dramatic literature of the Seventeenth Century, exclusive of Milton. Special emphasis upon several of the major writers of the period. Lectures, discussions, and presentation of studies by members of the class.

Fall *Credit, 3 hours*

455. *Studies in American Fiction*

A study of the principal fiction (and its background) of two major American writers of the nineteenth century. Lectures, seminar reports, and a research paper. (Authors for study chosen from the following: Poe, Hawthorne, Melville, Twain, Henry James.)

MR. BRODERICK

Fall *Credit, 3 hours*

458. *Studies in American Transcendentalism*

A study of Transcendentalism as an intellectual and literary movement, concentrating on the work of Emerson and Thoreau. Lectures, seminar reports, and a research paper.

MR. BRODERICK

Spring *Credit, 3 hours*

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Journalism

For a career in the newspaper profession, breadth of academic background is essential. The following courses, which provide the fundamentals of professional training, are concerned with the basic principles of journalistic writing and editing, and with a conception of the newspaper as a whole.

271. *Journalistic Writing*

Survey of the fundamental principles of news-writing; study of news and news values, and of outstanding newspapers. Open to juniors

and seniors, and to sophomores who obtain the permission of the instructor. Prerequisite, English 111-112. MR. FOLK
Credit, 3 hours

272. *Copy-editing*

A laboratory course in copy-editing, headline-writing, typography, and make-up. Prerequisite, English 111-112 and 271. MR. FOLK
Credit, 2 hours

274. *Special Feature Articles*

Practice in writing articles for newspapers and magazines, with emphasis on selecting subject, gathering material, and on the preparation and sale of manuscripts. Prerequisite, English 111-112, and preferably 271. MR. FOLK
Credit, 2 hours

277. *The Editorial*

Analysis of editorial policies of typical newspapers, discussions of current events and topics for editorial expression, and practice in writing various types of editorials; a study of the fundamentals of public opinion, and what the editorial writer can do to influence thinking. Prerequisite, English 111-112, 271-272. MR. FOLK
Credit, 2 hours

278. *History of American Journalism*

A study of the development of the American newspaper, with detailed investigations of representative papers and editors, and with special reference to the problems of present-day journalism. Prerequisite, English 111-112, 271-272. MR. FOLK
Credit, 2 hours

Art History and Appreciation

The following courses, conducted by a member of the English staff, are not a part of the regular English curriculum, but may be included in the program of the English major as related courses.

265. *Ancient and Medieval Art*

A survey of the arts as they developed in Egyptian, Mesopotamian, Minoan, Greek, and Roman civilizations and Medieval Europe. Prerequisite, junior or senior standing. MR. AYCOCK

266. *Renaissance and Modern Art*

A survey of the arts as they developed in Europe and the United States; emphasis on architecture, sculpture and painting. Prerequisite, junior or senior standing. MR. AYCOCK

268. *American Art*

A history of art in the United States; emphasis on architecture, sculpture, painting, and the minor arts. Prerequisite, junior or senior standing. MR. AYCOCK

German

PROFESSOR O'FLAHERTY
ASSOCIATE PROFESSOR FRASER
ASSISTANT PROFESSOR SANDERS
INSTRUCTORS MELVIN, FISHER

A major in this department requires 30 hours, including German 230, 261, 262, 281, 284.

A language laboratory of twenty-five booths has been in operation since September 1960. Students enrolled in course numbered 111 are required to spend one hour a week in the language laboratory as a part of their class preparation. Others may be required to attend the laboratory for remedial purposes.

German majors who have a minimum quality point ratio of 3.0 in all college work and 3.3 in all departmental work may be admitted to the honors program in German. There are four requirements for completion of the honors major in German after admission: (1) maintenance of a minimum quality point ratio of 3.3 in all work toward the major; (2) participation in at least one senior seminar at this institution; (3) the completion of a special research project under the direction of a member of the department; (4) the passing of a comprehensive written and oral examination, the oral part of which will be conducted in German by members of the de-

partment. For further details, students should consult a member of the department. Successful honors candidates are graduated with the designation "distinction in German."

111, 112. *Elementary German*

An introduction to German grammar. Much oral and aural practice. Reading of simple texts. *Credit, 3 hours each semester*

151, 152. *Intermediate German*

Continuation of the study of German grammar. Class reading of some 200 pages or more of German prose. Oral and aural practice. Sight translation. Prerequisite, German 111, 112 or its equivalent.
M W F 2, 3, 5, 6; T Th S 2, 4 *Credit, 3 hours each semester*

154. *Intermediate Scientific German*

A one-semester course in scientific German on the intermediate level. Continuation of grammar review. Class reading of approximately 100 pages of simple scientific prose from the fields of Chemistry, Physics and Biology. Prerequisite, German 111, 112, 151 or equivalent. *Credit, 3 hours*

211, 212. *Introduction to German Literature*

The object of this course is to acquaint the student with German culture as reflected in the recognized masterpieces of German literature. Prerequisite, German 151, 152. *Credit, 3 hours each semester*

S214. *Introduction to German Literature*

The object of this course is to acquaint the student with German culture as reflected in the recognized masterpieces of German literature. It covers material not covered in either German 211 or 212 in order that it may be substituted for either course as a requirement for graduation. Prerequisite: German 152 or its equivalent.

217. *Conversation and Phonetics*

A course is spoken German with particular attention devoted to phonetics. Prerequisite, German 152 or equivalent. *Credit, 3 hours*

218. *Composition and Grammar Review*

A review of the fundamentals of German grammar, with intensive practice in translation and composition aimed at the development

of a reasonable competence in writing German. Prerequisite, German 152 or its equivalent. *Credit, 3 hours*

219. *Advanced Composition*

This course involves a study of advanced grammar and composition. English texts of increasing difficulty will be translated into German as well as in addition to free compositon in German. Prerequisite, German 218 or equivalent. *Credit, 3 hours*

220. *German Civilization*

A survey of contemporary German culture, including a study of its historical development in broad outline. Emphasis is placed on the intellectual, artistic, political, social and economic life of Germany. The course is conducted in German. Prerequisite, German 217 or equivalent. *Credit, 3 hours*

221. *Schiller*

Readings in Schiller's dramas, ballads, and critical essays will be emphasized. Prerequisite, German 211 or 212 and permission of instructor. (Not offered in 1962-63.)

M W F 2 *Credit, 3 hours*

224. *Lessing*

Readings in Lessing's dramas and critical essays are stressed in this course. His life is studied with particular emphasis on his relation to contemporary men of letters. Prerequisite, German 211 or 212 and permission of instructor.

T Th S 4 *Credit, 3 hours*

230. *Goethe*

Faust Part I will be studied in class. Parallel readings in other works by Goethe will be assigned. Prerequisite, German 211, 212.

T Th S 4 *Credit, 3 hours*

261, 262. *Survey of German Literature*

This course is designed to acquaint the student with the major works and trends of German literature in the Old High German, Middle,

and New High German Periods. Readings from the older periods of the literature may be done in modern German or English translation. Prerequisite, German 211, 212 or equivalent. This course is required to majors. *Credit, 3 hours each semester*

265. *Nineteenth Century Drama*

Class readings from Kleist, Grillparzer, Hebbel, Wagner, Hauptmann, and Schnitzler, Parallel readings in other dramatists of the nineteenth century. Prerequisite, German 211, 212.

M W F 5 *Credit, 3 hours*

268. *The German Novelle From Goethe to Thomas Mann*

Class readings in Goethe, Kleist, Tieck, Keller, Storm, C. F. Meyer, Thomas Mann and others. Prerequisite, German 211, 212. (Not offered in 1962-63)

M W F 6 *Credit, 3 hours*

281. *Seminar: Twentieth Century Prose*

Advanced students investigate, under the guidance of the instructor, the leading authors of German Naturalism, Impressionism, and Expressionism. Reports and discussions are for the most part in German. Prerequisite, German 211, 212 or equivalent and permission of instructor. *Credit, 3 hours*

284. *Seminar: The German Sturm und Drang, 1760-1785*

Students engage in advanced research on Hamann, Herder, the young Goethe and Schiller, Schubart, Lenz, Klinger, and other selected writers of the period. Reports and discussions are for the most part in German. Prerequisite, German 211, 212 or equivalent and permission of instructor. *Credit, 3 hours*

292. *Education—The Teaching of German*

A survey of methodology of general principles in the teaching of German in secondary schools. Particular attention is paid to the teaching of grammar, reading methods, pronunciation and oral work and conversational language. Realia materials examined and evaluated. Some attention is given to the possibilities now being developed in languages for the elementary school. *Credit, 3 hours*

History

Professors Stroupe, Gokhale, Perry, Smiley, Yearns

Associate Professors Clonts, Gregory, * Mullen, Lowell R. Tillett

Assistant Professors Barnett, Garrett, J. Edwin Hendricks, Hitchins, Zuber

Instructors Barefield, Morgan

The Bachelor of Arts degree is awarded to students who complete the requirements for the bachelor's degree as stated elsewhere in this catalog and take their major in History. The History major is 30 semester hours and must include History 111, 112 and History 151, 152 or their equivalents. History 111, 112 are prerequisites for all other courses offered by the Department. History 151, 152 are prerequisites for all other courses in United States history. The remaining 18 hours of the History major and 18 hours of required work in related fields are selected by the student and a History adviser.

Highly qualified History majors are considered by the department for admission to the honors program in History. They must meet certain preliminary requirements, earn a QPR of not less than 3.0 on all college work and 3.3 on all work in History, complete satisfactorily History 287, 288, and pass a comprehensive written examination. They are then graduated with the designation of "distinction in History." For additional information consult members of the History staff.

Students contemplating graduate study should plan to take required and general survey courses early in their college careers, should include the course in Historiography, and should acquire a reading knowledge of one modern foreign language (preferably French,

* Absent on leave, 1964-65.

German or Russian) for the M.A. degree and two for the Ph.D. degree. For information regarding the Master of Arts degree in History at Wake Forest College consult the *Bulletin* of the Division of Graduate Studies.

111, 112. *Modern Europe*

The political, economic, and social history of Europe in its world setting from the Renaissance to the present. Stresses major institutions, movements, and personalities shaping our western civilization. Assigned work includes text, parallel reading, and work in historical geography. Students majoring in history or political science should take this course their freshman year. History 111 prerequisite for History 112.

History 111, fall semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4, 5; spring semester, M W F 6; T Th S 1, 5

History 112, fall semester, M W F 6; T Th S 1, 5; spring semester, M W F 1, 2, 3, 4, 5, 6, 7, 8; T Th S 1, 2, 4 5 STAFF

151, 152. *The United States*

A general survey of United States history from the period of discovery and colonization to the present. The course is conducted through daily lectures, textbooks, collateral readings, and map studies. Social, economic, and intellectual developments are included, but political history is emphasized. History 151 covers the period from discovery to 1865; History 152 the period from 1865 to the present. Students majoring in history or political science should take this course in the sophomore year. History 151 prerequisite for History 152.

M W F 1, 4, 5; T Th S 1 STAFF

215, 216. *The Ancient World*

Oriental and Greek history, fall semester; Roman history, spring semester. Textbook and written reports. Cultural aspects emphasized.

T Th 2, 8 MR. CLONTS

219, 220. *The Renaissance and Reformation*

This is a study of the transition of Europe from medieval to modern times. The emphasis is on artistic, literary, and religious achievements, with some attention given to political and economic developments.

T Th 7 MR. BAREFIELD

239. *Africa*

A survey of African history from the beginning of civilization to the present, with emphasis on the periods of European colonialism and emergent nationalism.

T Th S 4 — Mr. Gregory

257, 258. *The South*

A study of geography, population elements, basic institutions, and selected events, conducted largely by individual reports and involving extensive use of the library.

M W F 5 — Mr. Smiley

264. *Economic History of the United States*

A general survey of the economic development of the United States from colonial beginnings to the present, conducted through daily discussions, textbook assignments, and collateral readings. This course may count as History or Business Administration, but not both. At the time of registration the student must determine in which field credit is desired.

M W F 2 — Mr. Perry

265. *American Diplomatic History*

An introduction to the history of American diplomacy since 1776, emphasizing the effects of public opinion on fundamental policies.

M W F 2 — Mr. Perry

271. *Latin America*

A study of the development of Latin America from its colonial origins to the present. Textbook and collateral readings.

M W F 1 — Mr. Yearns

287, 288. *Honors Course in History*

A two-semester sequence emphasizing the problems of historical synthesis and interpretation. Consideration is given to current developments in interpretation as well as to traditionally controversial issues. The work includes reading and discussion on selected topics and the preparation of a major research or interpretative paper each semester. Designed for seniors who are candidates for distinction in history.

Th 8-9 — Staff

291. *Education—Teaching of Social Studies*

An examination of the theories and procedures involved in the teaching of history, geography, civics, economics, and sociology in secondary schools. The principal emphasis is on history. Open to students who expect certification in one or more of the social studies. Credited as Education.

T Th S 1 MR. BARNETT

311, 312. *Social and Intellectual History of Modern Europe*

Western European thought and culture are examined in relationship to economic, social, and political developments. Fall semester: seventeenth and eighteenth centuries; spring semester: nineteenth and twentieth centuries.

M W F 2 MR. GARRETT

317, 318. *Medieval Europe*

A course in which selected political, economic, social, and cultural aspects of the Middle Ages are studied. Collateral readings and oral reports on special topics are added to textbook assignments. History 317 prerequisite for History 318.

T T S 2 MR. HITCHINS

319, 320. *East-Central Europe*

History of the Hapsburg Monarchy to 1918 and of its successor states (Austria, Hungary, and Czechoslovakia) since that date. Some attention given to Poland. Emphasis on social and intellectual history.

T T S 2 MR. HITCHINS

321, 322. *Southeastern Europe since the Thirteenth Century*

The political, economic, and cultural development of the peoples of Rumania, Yugoslavia, Bulgaria, Greece, and Albania from the Middle Ages to the present. Among the topics discussed are the legacy of Byzantium, the Ottoman Empire and its institutions in Europe, the influence of the major European powers, the growth of national sentiment and the foundation of national states, and the establishment of Communist regimes.

M W F 1 MR. HITCHINS

323, 324. *England*

A political and social survey, with some attention to important continental movements. The period prior to 1603 is covered in the fall

semester, the period since 1603 in the spring semester. Recommended to students taking majors in English or law as well as to those in history.

M W F 2, 7 — Messrs. Clonts, Barnett

327, 328. *The British Empire*

Fall semester: the rise of the second British Empire, 1783-1867, with emphasis on Canada, Australia, New Zealand, India, Cape Colony, and the West Indies. Spring semester: the development of the Commonwealth and the evolution of the dependent Empire since 1867.

M W F 4 — Mr. Gregory

331, 332. *Russia*

Primarily political, with some attention to cultural and social developments. Fall semester, the Russian Empire; spring semester, the Soviet Union. Textbook and outside readings.

M W F 6 — Mr. Tillett

335. *European Diplomacy, 1848-1914*

A problem approach to the diplomatic history of the major powers, with emphasis upon four broad topics: effects of the unification of Germany and Italy upon the European balance, successes and failures of the Bismarckian system, the division of Europe into two rival camps, and the decision for war.

M W F 5 — Mr. Mullen

338. *Recent European History*

A review of World War I followed by intensive study of the problems of peace, rise of new governments, collapse of collective security, World War II, and the postwar era. Library readings and textbooks.

M W F 5 — Mr. Mullen

341, 342. *History and Civilization of Southeast Asia*

Developments in the history and culture of Burma, Thailand, Malaya, Indonesia, and Indo-China from the earliest times to the present. The course devotes special attention to religion, social organization, economy, Indian and Chinese influences, literature, art, and architecture in the region.

M W F 4 — Mr. Gokhale

347, 348. *Modern India*

An intensive examination of the historical development of India since 1600. Topics discussed include the Mughal Empire and its contributions, the growth of Western enterprise and British rule, and the Western impact on the emergence of modern India.

M W F 6 MR. GOKHALE

351, 352. *Social and Intellectual History of the United States*

A study of the significant ideas and cultural achievements of the American people and of their relationship to the social environment. History 351 covers the period from the first settlements to 1865. History 352 covers the period since 1865 and may be taken independently of History 351.

T Th S 2 MR. ZUBER

353. *Colonial America*

The background and development of colonial America to 1763. Emphasis on political, social, economic, and cultural characteristics as they became uniquely American.

M W F 3 MR. HENDRICKS

354. *Revolutionary and Early National America, 1763-1820*

The American Revolution, its causes and effects, the Confederation, the Constitution, and the new nation as it gained complete independence.

M W F 3 MR. HENDRICKS

355. *The Westward Movement*

The role of the frontier in American history, 1763-1890.

MR. SMILEY

360. *Recent American History*

The peace settlement of World War I, the "Roaring-Twenties," the Great Depression, era of the New Deal, foreign affairs and involvement in World War II, post-war trends and developments.

MR. YEARNS

362. *American Constitutional History*

A study of the origins of our constitutional system, the controversies involving the nature of the union, constitutional readjustments to

meet the new American industrialism, and the modern Constitution. Textbook and collateral reading.

T Th S 4 — Mr. Yearns

368. *North Carolina*

Selected phases of the development of North Carolina from colonial beginnings to the present are studied by means of lectures, maps, and readings.

M W F 1 — Mr. Stroupe

391, 392. *Historiography*

A study of the development of history as a branch of knowledge through a survey of the principal historians and their writings from ancient times to the present. Sample readings, class discussions, written and oral reports. Fall semester: European historiography; Spring semester: American historiography.

T Th 7 — Mr. Perry

Courses for Graduate Students

411, 412. *Seminar in Modern European History*

Mr. Tillett
Credit, 3 hours each semester

442. *Seminar on Southeast Asia*

Spring — Mr. Gokhale
Credit, 3 hours

447. *Seminar on Modern India*

Fall — Mr. Gokhale
Credit, 3 hours

451, 452. *Seminar in United States History*

Mr. Smiley
Credit, 3 hours each semester

457. *The Old South*

Selected aspects of the history of the South from the Missouri Compromise to the Civil War. Sectionalism and a comparison of the Southern way of life with that of the North are emphasized. Lectures and reading.

T Th 8:30-10:00 A.M.—Fall — Mr. Stroupe
Credit, 3 hours

458. *The Civil War and Reconstruction*

A study of the political and military events of the War for Southern Independence, and of the economic, social, and political re-adjustments which followed. Lectures and reading.

T Th 8:30-10:00 A.M.—Spring MR. YEARNS

Credit, 3 hours

491, 492. *Thesis Research*

STAFF

Credit, 3 hours each semester for two semesters

Mathematics

PROFESSORS GENTRY, SAWYER, SEELBINDER
ASSOCIATE PROFESSORS GAY, JOHNSON
ASSISTANT PROFESSORS GAYLORD MAY, GRAHAM MAY, WADDILL
INSTRUCTORS HAMBLIN, LINDER

This Department offers basic courses in each of the main divisions of Mathematics: algebra, analysis, geometry, applied mathematics.

A major in this Department (33 hours) must include courses 111, 112, 113, 121, 311, 321, 331.

Any student preparing to teach Mathematics in the secondary school should include in his program courses 111, 112, 113, 121, 232, 321, 331.

Highly qualified Mathematics majors are considered by the Department for admission to the honors program in Mathematics. They must meet certain preliminary requirements, earn a QPR of not less than 3.0 on all college work and 3.3 on all work in Mathematics, complete satisfactorily a senior research paper and pass a comprehensive oral and written examination. They are then graduated with the designation of "distinction in Mathematics." For additional information consult members of the Mathematics staff.

102. *Principles of Mathematics*

An introduction including a definition and examples of deductive reasoning, inductive reasoning, abstract logic, abstract mathematical science, pure and applied mathematics, A study of set theory as an application. A study of the real number system using an axiomatic approach. Many examples taken from arithmetic, algebra, trigonometry and analytic geometry. Any student receiving credit for Mathematics 102 will not receive credit for Mathematics 105.

Credit, 3 hours

105. *Introduction to Mathematical Analysis*

An introduction to series, limits, derivatives and antiderivatives. A thorough study of (a) polynomial equations of first, second and higher degrees in one or more variables, (b) algebraic, exponential, logarithmic, trigonometric and inverse functions, (c) identities, (d) conic sections, (e) polar, cylindrical, spherical coordinates and transformation of coordinates, and (f) parameters. Any student receiving credit for Mathematics 105 will not receive credit for Mathematics 102.

Credit, 3 hours

111, 112, 113. *Calculus with Analytic Geometry I, II, III*

A study of differential and integral calculus and an investigation of the basic ideas of analytic geometry as they arise.

Credit, 3 hours each semester

121. *Linear Algebra*

A study of vectors and vector spaces, linear transformations and matrices, linear groups and determinants.

Credit, 3 hours

157. *Introduction to Probability*

Definitions, Sample spaces, Probability in sample spaces, Bayes' Formula, Random variables, Probability functions, Binomial distribution, applications. *Credit, 3 hours*

161. *Modern Finite Mathematics*

A study of mathematics as it pertains to social science and business today. Emphasis will be placed on development of mathematical models, probability, matrices, linear programming, decision theory, and theory of games.

Credit, 3 hours

162. *Analysis for the Biological, Management and Social Sciences*

Topics from analytic geometry and calculus; a study of the linear, parabolic and hyperbolic laws with an introduction to differential and integral calculus. Applications including maxima and minima problems and curve fitting will be included. No student will be allowed credit for both Mathematics 162 and Mathematics 111.

Credit, 3 hours

174. *Surveying*

The use of engineering equipment. Surveying and engineering practices, government system of division and sub-division of land; deed description, lot and farm boundaries; topographical surveying, making of contour maps, observations for determination of meridian and latitude, reducing field notes, plotting, blue printing, use of slide rule, etc. *Credit, 3 hours*

232. *Foundations of Geometry*

A course of logic in geometry with special emphasis on postulates, systems of geometry, etc. Recommended for teachers. Prerequisite, Mathematics 112. *Credit, 3 hours*

251. *Differential Equations*

Special solvable non-linear equations, linear equations, transformations, and symbolic methods; solutions in series; Gauss, Bessel and Legendre equations; simultaneous ordinary differential equations. *Credit, 3 hours*

255, 256. *Theory and Applications of the Digital Computer*

Basic theory and applications of computers, including number representations, components and organization of computing systems, the history of computers. Intensive study and laboratory training in coding and programming, interpretive routines and compilers, including Fortran, Algol, Symbolic Programming Systems, and basic machine language. Formation of mathematical models with error analysis. Elementary business applications and use of data processing equipment. Two hours lecture, two hours laboratory. Math 255 is prerequisite to Math 256.

Credit, 3 hours each semester

292. *Education—The Teaching of Mathematics*

The objectives and content of the many proposals for change in our curriculum and texts. The techniques, relative merits, and role of such teaching procedures as the inductive and deductive approaches to new ideas. The literature of mathematics and its teaching. The underlying ideas of elementary mathematics and the manner in which they may provide a rational basis for teaching.

Credit, 3 hours

294. *History of Mathematics*

A study of the development of mathematics, dealing with the evolution of the number system, arithmetic, geometry, algebra, trigonometry, etc., together with a study of the lives of the leading mathematicians. Recommended for those of junior standing who expect to teach Mathematics. *Credit, 3 hours*

301. *Basic Concepts of Algebra for Teachers*

A study of the foundations of algebra and the structural properties of elementary algebraic systems with special emphasis on the real number system, sets, methods of proof and algebraic functions. Credit for this course may not be applied toward the Master of Arts degree by students majoring in Mathematics. *Credit, 3 hours*

302. *Basic Concepts of Geometry for Teachers*

A study of points, lines and planes; real numbers and the Ruler Axiom; separation in the Plane and in Space; angles and the Protractor Axiom; Congruences. Credit for this course may not be applied toward the Master of Arts degree by students majoring in Mathematics. *Credit, 3 hours*

311, 312. *Advanced Calculus I, II*

Real and complex numbers; basic concepts in set theory; limits and continuity; Differentiation of functions of one and several variables; Taylor's expansion; definite, improper, infinite, multiple integrals; infinite series; power series; applications. Math 311 may not be taken for credit by graduate students majoring in mathematics.

Credit, 3 hours each semester

317, 318. *Theory of Functions*

Limits, implicit functions, power series, double series, Cauchy's Theorem and its applications, residues, Riemann surfaces, conformal mapping. *Credit, 3 hours each semester*

321, 322. *Modern Algebra*

A study of groups, fields, rings, determinants, matrices, linear dependence, linear transformations, quadratic and bilinear forms. Course 321 may not be taken for credit by graduate students majoring in mathematics. *Credit, 3 hours each semester*

331, 332. *Geometry*

The elements of higher geometries including congruence, parallelism, similarity, area, volume, and ruler and compass construction will be studied. *Credit, 3 hours each semester*

333. *Introduction to Topology*

An axiomatic treatment of the theory of point sets. Topologicas properties of Euclidean spaces, metric spaces and Hausdorff spacel will be studied. *Credit, 3 hours*

335. *Projective Geometry*

Synthetic and analytic treatment centering around Desargue's Theorem and the principle of projectivity. *Credit, 3 hours*

341. *Foundations of the Number System*

A set of objects called natural numbers characterized by Peano's Postulates will be assumed. The integers, rational numbers, real numbers and complex numbers will be constructed. *Credit, 3 hours*

345, 346. *Theory of Numbers*

An introduction to the properties of integers, congruences, a study of Theorems of Fermat and Wilson, primitive roots, arithmetic functions, quadratic reciprocity, sums of squares.

Credit, 3 hours each semester

351, 352. *Applied Analysis*

Fourier Series; Bessel functions; Vector algebra and Calculus; line and surface integrals; Divergence theorem; Green's Theorem; Stokes' Theorem; Laplace transformation with applications to differential equations; partial differential equations and boundary value problems; Calculus of Variations. *Credit, 3 hours each semester*

355. *Numerical Analysis*

A computer-oriented study of various analytical methods in mathematics including real and complex roots of equations, finite difference

methods and theory of interpolation, numerical differentiation and integration, numerical solution of ordinary and partial differential equations, simultaneous equations and maxtrix inversion, error analysis. Two hours lecture, two hours laboratory. Prerequisites, Math 113, Math 255. *Credit, 3 hours*

357, 358. *Statistics*

A study of the elementary theory and applications, with particular emphasis on the mathematical development of probability distributions, finite population sampling, estimation, testing of hypotheses and confidence methods. One who takes either of these courses may not receive credit for Bus. Ad. 368, Sociology 280 or Psychology 213. This course may not be taken for credit by graduate students majoring in mathematics. Prerequisite, Mathematics 111.

Credit, 3 hours each semester

381. *Research*

Library and conference work performed on an individual basis. Open only to students with a superior record. Six hours a week. Prerequisite, permission of the staff. *Credit, 2 hours*

Courses for Graduate Students

411, 412. *Real Variable*

Lebesque and Stieltjes integrals, convergence theorems, metric spaces, function spaces, various kinds of measures. Prerequisite, Advanced Calculus. *Credit, 3 hours each semester*

413, 414. *Complex Variable*

Algebra of complex numbers, analytic functions, conformal mapping, integrals of complex functions, analytic continuation, Riemann surfaces. *Credit, 3 hours*

421, 422. *Abstract Algebra*

A detailed study of mathematical structures—groups, rings, fields, integral domains and ideals, matrix theory and linear associative algebras, Galois Theory. *Credit, 3 hours each semester*

431. *General Topology*

This course consists of an intensive study of fundamentals and properties of topological spaces, with particular emphasis on comparison of topologies, types of convergence, embedding and metrization, compact spaces, uniform spaces, and function spaces.

Credit, 3 hours

433. *Algebraic Topology*

Fundamental groups, simplicial complexes and simplicial homology theory, fixed point theorems, products, introduction to general homology theories. *Credit, 3 hours*

435. *Differential Geometry*

A study of the metric properties of restricted portions of curves and surfaces in Euclidean space, applicability, differential parameters, Riemannian geometry. *Credit, 3 hours*

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Military Science

Colonel S. J. Boyles, Professor
Major N. G. Clyne, Jr., Assistant Professor
Captain R. K. Hook, Assistant Professor
Captain J. H. Hancock, Jr., Assistant Professor
Captain Jerry L. Perkins, Assistant Professor
Sergeant Major Nicholas J. Spidel, Jr., Assistant
Master Sergeant D. C. Mooney, Assistant
Sergeant First Class B. C. Gibson, Assistant
Staff Sergeant G. Shell, Assistant
Mrs. Marguerite L. Ketchie, Secretary
Mrs. Gordon Rayle, Librarian

A senior unit of the United States Army Reserve Officers' Training Corps was established at Wake Forest College in 1951. The general objective of the program of instruction is to produce junior officers possessing the leadership and other attributes essential to their progressive and continued development as Reserve Officers in the United States Army.

The ROTC program is divided into a Basic Course

(academic freshmen and sophomores) and an Advanced Course (academic juniors and seniors).

The purpose of the Basic Course is to increase initiative and confidence in the student, to develop his capacity for leadership, to provide training in military subjects common to all branches of the Army, and to lay a foundation for intelligent citizenship.

Except when credit for military school ROTC, previous active duty training or military service is allowed, failure to enroll in the ROTC as an academic freshman will preclude the student from participation in the Basic Course. Transfer students who have previously enrolled in any Department of Defense ROTC program may be continued in the Army ROTC at Wake Forest College in the Basic or Advanced Course.

Military Science courses will be considered among other credits offered for admission to the School of Law of Wake Forest College.

The Advanced Course is designed to develop further the objectives of the Basic Course and to enable selected students to qualify for commissions as Reserve Officers in the United States Army.

Advanced Course ROTC students receive a monetary allowance of $40.00 per month. This allowance is payable from the day of enrollment at the beginning of the student's junior year until the end of his senior year. This allowance is not drawn during the summer camp which the Advanced Course ROTC student attends at the conclusion of his junior year. All summer camp expenses, including travel incident thereto, are paid by the Government. While at camp the student is paid at the rate of $120.60 per month. Total remuneration for the Advanced Course is about $1,000.00

Upon graduation, students who have completed the Advanced Course receive commissions as Second Lieu-

tenants in the United States Army Reserve. Graduating students who have demonstrated leadership, scholarship and military aptitude to an outstanding degree may be designated "Distinguished Military Graduates." These selected individuals are afforded an opportunity to apply for a Regular Army Commission.

Once enrolled in either the Basic or Advanced Course successful completion of that course, to include Summer Camp for Advanced Course students, is a prerequisite for graduation from the college.

ROTC students meeting prescribed requirements may receive deferment from selective service after their first semester. Normally deferment will be continued while the student is engaged in post graduate study.

Any Military Science Courses completed at Wake Forest College are transferable to any other institution with Army or Air Force ROTC programs.

The ROTC Cadet Corps is organized as a modified Regular Army unit to provide maximum opportunities for the exercise of leadership. It includes a Band and Drill Team. Both of these organizations receive special training and represent Wake Forest College in special events.

Basic Course students are provided U. S. Army uniforms at no cost to the individual. Advanced Course students are furnished a complete, tailored uniform package, valued at approximately $150.00, for the duration of the ROTC course and for retention by the individual upon graduation. Textbooks and other equipment necessary for the ROTC program are also provided. A $20.00 uniform deposit is required of each ROTC student. The deposit, less charges for loss or damages, is refunded at the end of the school year or upon withdrawal from the course.

The national honorary military societies of Scabbard

and Blade and Pershing Rifles have chapters at Wake Forest College. Membership, on an elective basis, is open to ROTC cadets. In addition, the cadet band is affiliated with the National ROTC Band Association. Membership is open to all band members.

The ROTC Rifle Team competes with other colleges and universities each year; both shoulder-to-shoulder and postal matches are fired. This activity is recognized as a minor sport at Wake Forest College. All practice firing and each match is supervised by a regular army instructor. The firing is conducted with modern small bore target rifles on an indoor range.

Following are the awards presented annually to ROTC cadets at Wake Forest College:

The President's Trophy. A trophy awarded by the President of Wake Forest College to a senior cadet for excellence in citizenship, scholarship, leadership and military science.

Superior Cadet Decoration. The Superior Cadet Decoration with certificate and lapel device is presented by the Department of the Army to the one outstanding cadet in each ROTC class recommended by the Professor of Military Science and the Dean of the College after a review of records by a faculty oard.

ROTC *Certificate of Meritorious Leadership Achievement.* This award consists of an engraved certificate signed by the Commanding General, Third United States Army. It is presented to the graduating cadet selected by the President of Wake Forest College as having demonstrated throughout his ROTC career highest standards of discipline, initative, stability, application, physical conditioning, mental and moral

fibre and that he has achieved proficiency in the proper application of the principles of leadership.

The American Legion ROTC Medal. Awarded by the American Legion to a basic course cadet who has demonstrated outstanding qualities of military efficiency.

The "Minute-Man" Medal. The North Carolina Society, Sons of the American Revolution, awards a medal to one Advanced Course and one Basic Course cadet selected by the Professor of Military Science as outstanding in leadership, soldierly bearing, and academic excellence.

Association of the United States Army Medal. Awarded by the Association of the United States Army to the Advanced Course Cadet selected by the Professor of Military Science and the Dean of the College as outstanding in leadership, scholarship, and character.

The Reserve Officers' Association of the United States Award. The North Carolina Department of the Reserve Officers' Association of the United States presents a medal to an outstanding Advanced Course cadet selected by the Professor of Military Science. Certificates of Merit may also be awarded to other outstanding cadets selected by the Professor of Military Science.

Armed Forces Chemical Association Medal and Scroll. Awarded by the Armed Forces Chemical Association to a graduating cadet who excels in chemistry or an allied science and in military science.

U. S. Armor Association ROTC Award. The outstanding graduate choosing Armor as his basic branch is presented with a year's membership in the U. S. Armor Association and also receives a package of books from the Association.

The American Ordnance Award. The American Ordnance Association awards a Gold Scholarship Key to a graduating cadet selected by the Professor of Military Science and the Dean of the college as outstanding in leadership, scholarship, athletics, and who has been selected for assignment to the Ordnance Corps upon being commissioned.

Military Order of World Wars Medal of Merit. The Winston-Salem Chapter of the Military Order of World Wars awards a medal for merit to an outstanding second year basic cadet who, having been accepted for the Advanced ROTC Course, has demonstrated outstanding leadingship potential and dedication to the principles of freedom as determined by the PMS.

Daughters of the American Revolution American Military History Award. The General Joseph Winston Chapter of the Daughters of the American Revolution annually awards the DAR History Medal and a book on American History to the cadet who has achieved the most outstanding record in American Military History.

Chicago Tribune Award. The Chicago Tribune awards medals to outstanding ROTC cadets each year. Two gold medals are presented to Advanced Course cadets and two silver medals are awarded to Basic Course cadets.

National Society of Scabbard and Blade Medal. Company L, Eleventh Regiment, National Society of Scabbard and Blade, Wake Forest College, awards a medal to one cadet in each ROTC class for outstanding ability in military science.

Pershing Rifle Trophy. Company D, Fourth Regiment, National Society of Pershing Rifles, Wake Forest

College, awards a trophy to the Basic Course cadet adjudged the winner of the Annual Individual Drill Competition.

Daughters of the American Colonists Citizenship Medal. The Daughters of American Colonists Citizenship Medal is presented each year to the freshman cadet who has an outstanding academic standing in Military Science and has presented the best term paper on National Security selected by a committee from the Daughters of the American Colonists from the two (2) best term papers each semester.

Distinguished Military Musician Award. This award, approved by the National ROTC Band Association, is awarded each year by the PMS to the outstanding member of the ROTC Band for academic, military and musical excellence.

Marksmanship Qualification Badges. Sterling silver qualification badges are awarded to cadets who qualify in prescribed marksmanship courses with the caliber .22 rifle.

Marksmanship Trophies. Appropriate trophies are awarded to members of the ROTC rifle team with the highest scores in rifle team match firing.

Courses Offered

111, 112. *Military Science (First Year Basic)*

Includes a study of military organization; individual weapons and marksmanship; the United States Army and national security; and leadership. One hour theory, two hours leadership laboratory. (Plus academic subject, see *note* below). *Credit, 1 hour each semester*

151, 152. *Military Science (Second Year Basic)*

Includes a study of American military history; map and aerial photograph reading; introduction to basic tactics and techniques; and lead-

ership. Two hours theory, two hours leadership laboratory. Prerequisite: Military Science 111 and 112.* *Credit, 2 hours each semester*

211, 212. *Military Science (First Year Advanced)*

Includes a study of leadership problems; military teaching principles; branches of the Army; small unit tactics and communications. Three hours theory, two hours leadership laboratory. (Plus academic subject, see note below). Prerequisite or corequisite: Military Science 151 and 152.*

Credit, 2 hours each semester

251, 252. *Military Science (Second Year Advanced)*

Includes a study of operations; logistics; Army administration; military law; the United States in world affairs; service orientation; and leadership. Three hours theory, two hours leadership laboratory. (Plus academic subject, see note below). Prerequisite or corequisite: Military Science 211 and 212. *Credit, 2 hours each semester*

Note. For basic course students any course selected from the areas listed below of a minimum of two (2) credit hours taken either semester is required the first year to satisfy the basic course requirement.

For advanced course students any course selected from the areas listed below of a minimum of three (3) credit hours, and which is not a course required to satisfy the basic requirement of the major field of study, is required each year to satisfy the advanced course requirement. Satisfactory completion of each such course undertaken will be a prerequisite to commissioning.

Area I Effective Communication.
Area II Science Comprehension.
Area III General Psychology.
Area IV Political Development and Political Institutions.

The PMS will evaluate and approve elective subjects selected by the student.

* Unless credit is given for previous military science or training.

Music

Professor McDonald
Associate Professor P. S. Robinson
Assistant Professor Giles
Instructor Huber
Part Time Teachers Crossley, Diener, Halpern, Lucille S. Harris, Jacobowsky, Lewis, Medlin, Roumillat
Artist in Residence Kalter

A student who is considering music as a major field must declare his intention to the department chairman as early as possible in his freshman year and take the musical aptitude test.

A major in this Department requires 36 hours divided between Applied Music (12-21 hours), Music Theory (9-12 hours, including Music 157, 158), and Musical Culture (minimum of 6 hours). In addition, the Music major must present a minimum of 4 hours resident Ensemble* credit and demonstrate performing ability in student recitals. At the discretion of the Music faculty a public recital will also be required. All Music majors are required to attend all faculty and student recitals. No student taking an Applied Music course may perform publicly without the permission of the instructor.

Students desiring State Teacher Certification in Music should note the requirement of 18 hours of Applied Music for the General Music Certificate (including 6 hours of Piano and 6 hours of Voice) and 21 hours of Applied Music for the Instrumental Music Certificate (including a keyboard proficiency equivalent to Piano 114a).

Qualified Music majors are considered for admission to the honors program in Music provided they meet

* No student may register for more than one hour of Ensemble credit each semester. Not more than eight hours Ensemble credit will be counted toward graduation.

certain preliminary requirements and complete the academic requirements for the Music major with a minimum QPR of 3.3 in Music and an over-all minimum QPR of 3.0. Further requirements are: a memorized senior recital to include one lesser work assigned two weeks before the recital and prepared without the aid of the teacher; also the performance in the senior year of two additional memorized major works to be prepared without the aid of the teacher.

Applied Music candidates for honors must also present to the music faculty a lecture-recital on the tonal and structural analysis of the material in the senior recital three weeks before the recital. Music Education candidates must prepare a major score during the final semester, do the total rehearsing and conduct it in a public performance. All candidates must complete satisfactorily a comprehensive examination in the fields of music theory, music history, and music literature. When these requirements are met the department will recommend to the Committee on Honors that the candidate be graduated with "distinction in Music."

In the following curricula for Music majors only 40 hours of Music will be counted toward the 128 hours required for graduation.

Bachelor of Arts with a major in one of the following areas:

A. *Applied Music*	*hours*
Music 155, 156. Theory	6
Music 157, 158. Theory	6
Music 213. Counterpoint	2
Music 214. Composition, Form and Analysis	2
Music 233, 234. Music History	6
Applied Music. Principal Instrument	16
Music 109-116. Ensemble	4
	42
Additional non-Music	88
Total	130

B. *Church Music*

Music 155, 156. Theory	6
Music 157, 158. Theory	6
Music 213. Counterpoint	2
Music 214. Composition, Form and Analysis	2
Music 229. Hymnology	3
Music 230. Church Music Literature	3
Music 231. Music in the Church	3
Music 233, 234. Music History	6
Applied Music. Organ and/or Voice	12
Music 111, 112, 115, 116. Ensemble	4
	47
Music (Education) 293. Voice Methods	1
Music (Education) 296. Choral Conducting	3
Additional non-Music	84
Total	135

C. *Instrumental Music Education (for Teacher Certification)*

Music 155, 156. Theory	6
Music 157, 158. Theory	6
Music 213. Counterpoint	2
Music 214. Composition, Form and Analysis	2
Music 233, 234. Music History	6
Applied Music. Principal and Secondary Instrument	21
Music 109, 110, 113, 114. Ensemble	4
	47
Education 291. Teaching of Instrumental Music	3
Music (Education) 295. Instrumental Conducting	3
Education (Additional Specified)	15
Additional non-Music	67
Total	135

D. *Choral Music Education (for Teacher Certification)*

Music 155, 156. Theory	6
Music 157, 158. Theory	6
Music 213. Counterpoint	2
Music 214. Composition, Form and Analysis	2
Music 233, 234. Music History	6
Applied Music, Voice and Piano	18
Music 111, 112, 115, 116. Ensemble	4
	44

Education 292. Teaching of Choral Music	3
Music (Education) 293. Voice Methods	1
Music (Education) 296. Choral Conducting	3
Education. (Additional Specified)	15
Additional non-Music	66
Total	132

Music Theory

101. *Fundamentals*

A study of the rudiments of music and its terminology, scales, keys, intervals, chords, rhythms, abbreviations, embellishments and smaller forms as they apply to performance, vocally and at the keyboard. This course is primarily for students not majoring in music and for music majors (without credit) having a deficiency in music theory.

M W F 4

155, 156. *Theory*

Music reading as it applies to vocal and keyboard performance. Rhythms in scale and interval singing. Ear training based on chord study equal to diatonic harmony. Aural study of the basic forms. Prerequisite, Music 101 or equivalent.

M W F 7

157, 158. *Theory*

The study of triads, seventh and ninth chords and their inversions. Melody harmonization and practical composition involving modulation in the smaller forms.

M W F 5

211, 212. *Advanced Harmony*

The study of melody harmonization and compostion in the smaller forms involving chromatic chords and non-harmonic tones. Analysis of passages drawn from standard literature. Prerequisite, Music 157, 158.

M W F 3

213. *Counterpoint*

Strict counterpoint in the five species with two to four voices. Also a study of the "free" or modern counterpoint. Prerequisite, Music 157, 158.

Hours to be arranged *Credit, 2 hours*

214. *Composition, Form and Analysis*

Study of practical composition involving harmonic and contrapuntal materials in small and large forms with analysis of standard works from folk and art song literature, chorales, piano and symphonic works. Special emphasis on complete analysis of works studied by the student for performance. Prerequisite, Music 157, 158, 213.

Hours to be arranged *Credit, 2 hours*

235. *Orchestration*

A study of instrumentation emphasizing orchestral styles, with practical experience in scoring for strings, winds, and percussion. Offered on alternate years. Prerequisite: Music 158 or permission of instructor.

Hours to be arranged *Credit, 2 hours*

236. *Orchestration and Scoring for Band*

An advanced course in scoring for the orchestra or the contemporary concert band. Selection of the medium is made by the student with approval of the instructor. Offered on alternate years. Prerequisite: Music 235.

Hours to be arranged *Credit, 2 hours*

Music Culture

102. *Music Appreciation*

Open to all students desiring an understanding of music as an element of liberal culture and who wish to equip themselves for more intelligent appreciation and listening. The study of design and style, form, aural analysis, recognition of instruments and themes from the master works. Also integration of music study with the other fine arts and with historical progress. A survey of significant examples of the several types of musical compositions will be made through phonograph recordings. This course is primarily for students not majoring in music.

M W F 4

225, 226. *American Music*

English origins in the seventeenth century. America's first composers. National songs, Lowell Mason, Stephen Foster. Music of the Civil War. Folk music—its use by American composers. The newer developments in orchestral and choral music. Contemporary composers. Illustrative recordings.

M W F 3

227, 228. *Opera*

A survey of the development of the opera from its earliest form to the present. Representative works will be studied through the use of recordings.

M W F 3 (*Alternates with Music 225, 226*)

229. *Hymnology*

Early church hymnody. Latin and Greek contributions. The reformation chorale. English Psalmody and the English Hymn during the eighteenth and nineteenth centuries. A study of the great hymns and hymn tunes of the church including twentieth century hymns. Designed especially for ministerial students.

M W F 2

230. *Church Music and Literature*

A survey of the great oratorios, cantatas, anthems, and organ compositions of the church.

M W F 2

231. *Music in the Church*

The function of the church musician and the relationship of his work to the overall church program.

M W F 6

233, 234. *Music History*

A survey of the history, literature and meaning of music, aiming to stimulate an intelligent attitude toward the hearing and understanding of music and its social uses. Illustrative recordings.

M W F 7

Methods*

291. *Education—Teaching of Instrumental Music*

The development of Public School Instrumental Music; the selection and care of instruments; study of materials and methods; problems of interest and discipline; the development of routine; administrative methods and problems. Admission by permission of instructor. Prerequisite, Music 157, 158.

Hours to be arranged *Credit, 3 hours*

292. *Education—Teaching of Choral Music*

The teaching and supervision of choral music in the public schools. The place of music in the cultural education of the adolescent, its

* Each course in this division may count as either Music or Education, but choice must be indicated at time of registration.

relation to community life. Materials in choral music. Methods and plans of organization. Admission by permission of instructor. Prerequisite, Music 157, 158.

Hours to be arranged *Credit, 3 hours*

293, 294. *Voice Methods*

Survey of technic and repertoire materials with demonstration of their application and interpretation. Breath preparation and control, phonation, interpretation, and program building. Stage deportment as applied to the recital, oratorio, and music-drama fields. Organization and direction of vocal arts projects for studio, church school and community. Enrollment limited to students with adequate private voice instruction background. Twice weekly with assigned laboratory preparation.

Hours to be arranged *Credit, 1 hour each semester*

295. *Instrumental Conducting*

Principles of band and orchestra conducting as they apply to school and community performance. Technique of the baton. Practical study of problems of instrumental conducting. Prerequisite, Music 157, 158.

M W F 4 *Credit, 3 hours*

296. *Choral Conducting*

A methods course in Conducting and Score Reading designed especially for the majors in Choral Music Education or Church Music. Admission by permission of instructor. Prerequisite, Music 157, 158.

Hours to be arranged *Credit, 3 hours*

Ensemble*

109, 110. *Orchestra*

The study and performance of works from the classical and modern repertoire as well as concerti, oratorios, cantatas, operas and musicals.

M W 4:00 P.M. *Credit, 1 hour each semester*

111, 112. *Choir*

The study and performance of sacred and secular choral literature. This organization forms the chapel choir. A selected group forms the touring choir for out of town concerts.

T Th 4:00 P.M. *Credit, 1 hour each semester*

* No student may register for more than one hour of Ensemble credit each semester. Not more than eight hours Ensemble credit will be counted toward graduation.

113, 114. *Band*

Concert Band: the study and performance of the standard band repertoire in regular campus and public appearances including an annual tour. During the fall term credit is available only if the student is also a member of the Marching Deacons Band.

T Th F 4:00 P.M. *Credit, 1 hour each semester*

Varsity Band: this organization is for those students who lack the necessary time and proficiency to participate in the Concert Band. During the fall term credit is available only if the student is also a member of the Marching Deacons Band.

T Th F 5:00 P.M. *Credit, 1 hour each semester*

Marching Deacons Band: this organization performs for most of the football games and rehearses during the first half of the fall semester at the Concert Band time. Credit is available only if the student is also a member of the Concert or Varsity Band.

T Th F 4:00 P.M.

115, 116. *Accompanying*

The study of the elements of accompanying through class discussion and studio experience. One class meeting per week with three assigned laboratory periods.

Hours to be arranged *Credit, 1 hour each semester*

Applied Music

Applied Music courses are open to all college students with the approval of the instructor. The following descriptions are suggested performance levels for the four years of study in the principal fields of concentration.

Lesson and Practice Schedule

Students enrolled in any Applied Music course will note the following schedule of *weekly* lessons and practice:

One lesson with minimum of five hours practice.
Credit, 1 hours each semester

One lesson with minimum of ten hours practice.
Credit, 2 hours each semester

Note: All examinations in Applied Music courses will be given by the Music Department faculty serving as a group and grades will be determined by this group.

Piano

111, 112.

Major and minor scales, dominant seventh and diminished seventh technic in root position and all inversions, quarter note at M.M. 84-88. Bach, Two Part Inventions; Mozart, Sonata K280; Beethoven, Sonata Op. 14, No. 1 or 2. Short Romantic and Contemporary compositions of the difficulty of the Chopin A-flat Prelude; technic studies as deemed necessary by the teacher.

113, 114.

Major and minor scales, dominant seventh and diminished seventh technic continued, quarter note at M.M. 100. Bach, Three Part Inventions; Beethoven, Sonata in C minor, Op. 10; Mozart, Fantasy in D minor; Chopin, Etude, Op. 10, No. 9; technic studies as deemed necessary by the teacher.

211, 212.

Major and minor scales in 3rds, 6ths, 10ths, quarter note at M.M. 92-96. Bach, Well Tempered Clavier or French Suites; Beethoven, Op. 27, No. 1, or Op. 78; Chopin, Etude Op. 25, No. 4; technic studies as deemed necessary by the teacher.

213, 214.

Major and minor scales quarter note at M.M. 120-132 and in 3rds, 6th, 10ths, quarter note at M.M. 100-108. Bach, Well Tempered Clavier or English Suites; Beethoven, Op. 31, No. 2, or Op. 90; Brahms, Intermezzo Op. 117, No. 2; Chopin Etude Op. 10, No. 3; technic studies as deemed necessary by the teacher.

Organ

111, 112.

Manual and pedal technique; clarity in contrapuntal playing; Bach's Eight Little Preludes and Fugues; hymn playing.

113, 114.

Pedal scales; smaller Preludes and Fugues of Bach; Chorale Preludes; simple works of more modern composers; hymn playing.

211, 212.

More difficult Bach Preludes and Fugues and Chorale Preludes; selected works by Mendelssohn, Franck, etc.

213, 214.

Larger Preludes and Fugues of Bach; Trio Sonatas; selected modern composers of all Schools; Widor, Vierne, Dupre, etc.

Voice

111, 112.

Establishment of correct breath and pronunciation habits through complementing physical and phonetic exercises. Clarity of diction, pitch poise, legato singing and consistent reference to *mezza voce* stressed. Early Italian, folk and folk-like songs in English.

113, 114.

Vocalises to induce more facility in the medium range. Studies in *messa di voce*, *portamenti*, and *grupetti* stressed. Repertoire to include moderately difficult arias of the Classic school and early Romantic art songs. Participation in student recitals.

211, 212.

Extended scales and arpeggi. Execution of vocal *fiortura*. Elimination of registers and an even-timbered quality throughout the range stressed. More difficult Classic arias, moderately difficult songs and arias of the Romantic school in original language. Participation in student recitals, oratotio and music-drama.

213, 214.

Attention to the development of individual style; selection and interpretation of repertoire best suited to the student's particular expression bent. More difficult songs and arias of all schools in original language. Senior Recital.

Orchestral and Band Instruments

The following instruments are designated by course numbers *111 112, 113, 114, 211, 212, 213,* and *214* corresponding to eight successive semesters.

Flute	*Trumpet*	*Violin*
Oboe	*French Horn*	*Viola*
Clarinet	*Trombone*	*Cello*
Bassoon	*Euphonium*	*Double Bass*
Saxophone	*Tuba*	*Percussion*

Studies of progressive difficulty covering tone production, scales, and technical studies, all articulations or bowings, embellishments, phrasing, etudes, solo and small ensemble repertoire, excerpts from band and orchestral literature and applied transpositions.

Secondary Courses

111a-114a. *Piano*

All major and minor scales and I, IV and V7 chords and inversions. Improvisation of simple harmonizations of familiar songs. Sight-reading of community songs and hymns. Transposition of melodies with simple harmonic accompaniments. Study of appropriate standard piano literature.

137, 138. *Literature of the Piano*

A survey course designed to acquaint students with some of the teaching materials of the piano. Several large works from the standard repertoire will be studied in detail during the second semester.

Th 6 *Credit, 1 hour each semester*

143, 144. *Brass and Percussion Instruments Class*

The theory and practice of playing and teaching the brass and percussion instruments, with special emphasis on the trumpet and the snare drum respectively. Twice weekly with a minimum of five hours practice. Prerequisite, Music 156.

Hours to be arranged *Credit, 1 hour each semester*

145, 146. *String Instruments Class*

The fundamentals of playing and teaching all members of the String family. Twice weekly with a minimum of five hours practice.

Hours to be arranged *Credit, 1 hour each semester*

147, 148. *Woodwind Instruments Class*

The fundamentals of playing and teaching all members of the Woodwind family. Twice weekly with a minimum of five hours practice.

Hours to be arranged *Credit, 1 hour each semester*

151, 152. *Voice Class*

Classes will consist of at least four students each. Offered to qualified students interested in making a study of voice class materials, or, as preparation for the private voice courses. Minimum of five hours practice.

Hours to be arranged *Credit, 1 hour each semester*

Applied Music Fees

Students enrolled for individual or class study in applied music as offered above will note the following schedule of semester fees, in addition to tuition, payable to the Treasurer not later than November 1 and March 1, respectively.

One hour lesson per week	$72.00
One half hour lesson per week	40.00
Class instruction (maximum fee per student)	30.00
Practice studio (with piano) rental per semester (one hour daily)	6.00
Practice studio (with piano) rental per semester (two hours daily)	10.00
Organ practice per semester (one hour daily)	10.00
Organ practice per semester (two hours daily)	14.00
Other instrument rental per semester	5.00

Philosophy

Professors Reid, Helm
Assistant Professor Hester
Instructor McCollough

The Spilman Philosophy Seminar, open to advanced students in Philosophy, was established in 1934 by an endowment, in perpetuity for the Department, of $4,000 by Dr. Bernard W. Spilman. The income from the endowment is used to provide books for the seminar library which now contains about 4,000 volumes. In 1960, friends of the Department established the A. C. Reid Philosophy Fund. The annual income from this endowment is used to support the departmental library and to provide lectures on the "Relation of Philosophy to Christian Faith." The furniture of the Department was donated in honor of Mr. and Mrs. W. A. Hough by their children.

A major in this Department requires 24 credit hours, including Philosophy 221, 255, 259, 281, 282.

211. *Introductory Philosophy*

A course designed to introduce to the student the major systems of philosophy, from the early Greeks to the medieval period. Required of all candidates for the degrees of bachelor of arts and bachelor of science. Junior standing normally required; second semester sophomores admitted by departmental permission only.

M W F 1, 2, 3, 6; T Th S 1, 2

221. *Modern Philosophy*

A course designed to introduce the student to the major systems of modern philosophy, from the sixteenth through the nineteenth century.

M W F 2

231, 232. *Readings in Philosophy*

Approximately fifteen great books, in or closely related to philosophy, will be read each semester. Prerequisite, Philosophy 211 and special permission.

M W F 4

241, 242. *Seminar: Epistemology*

A comprehensive survey of philosophical conceptions of knowledge. Prerequisite, Philosophy 211 and 221, and junior standing.

T Th 6-7 *Credit, 3 hours each semester*

247, 248. *Plato and Aristotle*

Plato's dialogues and sections of Aristotle's works. Prerequisite, Philosophy 211.

T Th 4

251, 252. *Hegel and Spinoza*

Extensive readings and reports. Prerequisite, Philosophy 211.

T Th 6

255. *Philosophy of Religion*

A critical consideration of the philosophical aspects of religious thought. Prerequisite, Philosophy 211.

M W F 4

259. *Logic*

An elementary study of the laws of valid inference, recognition of fallacies, and logical analysis. Prerequisite, Philosophy 211.

M W F 3

263. *Ethics*

A critical study of the fundamental problens of morals. Readings in the ethical works of Western philosophers. Prerequisite, Philosophy 211.

M W F 7

267. *Medieval Philosophy*

An examination of the philosophy of the Middle Ages, concentrating especially in the thought of Christian Scholastics, involving also a study of the works of Moslem and Jewish scholars of the period. Prerequisite, Philosophy 211.

Three hours to be arranged

271. *Contemporary Philosophy*

A study of systems of philosophical thought of the twentieth century, with emphasis upon their origins and distinctive characteristics. Prerequisite, Philosophy 211.

M W F 6

281, 282. *Seminar: Ancient and Modern Philosophy*

A careful examination of ancient and modern types of philosophy. Prerequisite, Philosophy 211 and 221 and special permission.

T Th 1-2 *Credit, 3 hours each semester*

Physical Education

PROFESSORS BARROW, DODSON

ASSISTANT PROFESSORS CRISP, RAMSEY

INSTRUCTORS CASEY, ELLISON, JORDAN, SHOCKLEY, STALLINGS

The purpose of the Department of Physical Education is to organize, administer and supervise the following programs: (1) REQUIRED PHYSICAL EDUCATION

PROGRAM consisting of conditioning activities, varied team and individual sports, special corrective and remedial instruction to all students with physical problems according to the individual's need, and to teach some basic information on posture and body mechanics, physiological principles, and practical health facts which must be observed to maintain a state of health and physical fitness. (2) INTRAMURAL SPORTS PROGRAM which allows all students to participate and specialize in varied individual and team sports which will be of lifelong benefit. (3) SUPERVISED RECREATION PROGRAM consisting of varied recreational and liesure time activeties. (4) PROFESSIONAL CURRICULUM PROGRAM which will offer the necessary training for those interested in the fields of Health, Physical Education, Recreation and Athletic Coaching.

Required Physical Education

Physical Education 111 and 112 are required of all freshmen and transfer students who have not complied with this requirement. For those men enrolled in ROTC Physical Education 111 and 112 requirement may be postponed until the sophomore year but must be completed by the end of that second year of attendance in Wake Forest College. *Not more than four hours of required or elective physical education may be counted toward graduation.*

111-112. *Physical Education*

A basic course consisting of body mechanics, basic health and physiological principles, aquatics, team sports, rhythmic activities, and individual and dual sports designed to develop fundamental skills. Students' needs and interests will be met by allowing controlled election of selected activities based upon the results of a standardized proficiency examination and–or previous experiences.

Credit, 1 hour each semester

111-112. *Physical Education (Special)*

A course consisting of remedial instruction or non-activity units of study of students with special problems, handicaps or medical excuses.

Hours to be arranged *Credit, 1 hour each semester*

Elective Physical Education

For those students who wish to specialize in sports activities beyond the requirement, a varied sports program is offered. Any two of the courses listed below may be elected for credit toward graduation. Prerequisite, Physical Education 111-112.

Hours to be arranged

160. Golf
161. Badminton; Tennis
162. Creative Rhythms
163. Creative Dance
164. Gymnastics; Tumbling
165. Archery; Bowling
166. Beginning and Intermediate Swimming

Credit, 1 hour each

167. Advanced Swimming
168. Life Saving; Water Sports
169. Weight Training and Conditioning
170. Handball; Squash Racquets
171. Equitation; Fencing

Courses for Major Students

Students desiring to elect a major in Health and Physical Education and to satisfy the State requirements for a teaching certificate must be of Junior standing, and will be required to have Biology 111, 112, and a minimum of 35 hours in Health and Physical Education as follows: 220, 221, 222 (for men only), 224, 228 (for women only), 251, 252, 253, 254, 255, 256, 258, 263, and 292 (counts as Education).

Physical Education majors with superior records are considered by the department for admission to the honors program in Physical Education. These students must meet certain criteria which have been established by

the department, earn a QPR of at least 3.0 on all college work and 3.3 on all hours required for the major in Physical Education, participate satisfactorily in Physical Education 281, and pass a comprehensive written examination. Upon satisfactory completion of these requirements, they will be recommended for graduation with "distinction in Physical Education."

Physical Education major students who are considering graduate study should take Physical Education 281, *Research in Physical Education*, as one of their elective courses.

220. *Methods and Materials in Gymnastics, Aquatics, and Dance*

Credit, 3 hours

221. *Methods and Materials in Recreation Games and Sports, and Folk Dance*

Credit, 3 hours

222. *Theory of Coaching Sports (Men)*

Credit, 3 hours

224. *Methods and Materials in Team and Individual Sports*

Credit, 3 hours

228. *Methods and Materials in Women's Sports (Women)*

Credit, 3 hours

251. *Principles of Physical Education and Recreation*

A general introductory course and orientation of Health, Physical Education and Recreation and its relation to general education and the present organization of society.

Credit, 3 hours

252. *Human Anatomy*

A course designed to meet the needs of students in Physical Education in which the basic principles of human anatomy are a requisite for a working knowledge of the human body.

Credit, 3 hours

253. *Physiology of Exercise*

This course presents the many effects of muscular activity on the processes of the body which constitutes the scientific basis of Physical Education.

Credit, 3 hours

254. *First Aid—Safety—Athletic Injuries*

A course in safety education and prevention of accidents with practical application of first aid and treatment of minor athletic injuries.

Credit, 3 hours

255. *Individual Physical Education*

A course in body mechanics and kinesiology dealing with a program for all handicapped and special problems in Health and Physical Education.

Credit, 3 hours

256. *Evaluation and Measurement in Health and Physical Education*

A course in measurement techniques to determine pupil status in established standards of Health and Physical Education which reflect the prevailing educational philosophy.

Credit, 2 hours

258. *Organization and Administration of Health and Physical Education*

A course in problems and procedures in Health and Physical Education and the administration of an interscholastic athletic program.

Credit, 3 hours

263. *Personal and Community Hygiene*

A course presenting personal, family, and community health and the significant developments and current research in the field.

Credit, 3 hours

271. *Recreation Leadership*

This course emphasizes the various theoretical and practical aspects of leadership in various types of recreation.

Credit, 3 hours

276. *Organization and Administration of Recreation*

A course in recreational problems and the administration of the several types of recreation.

Credit, 3 hours

281. *Research in Physical Education*

An advanced course devoted to a study of research techniques in physical education and the preparation of an original project. This course is open only to senior major students with superior records.

To be arranged *Credit, 2 hours*

292. *Education—Teaching of Health and Physical Education**

A course for students in the field of Health and Physical Education where emphasis is placed on the fundamentals of teaching, laws of learning and other essentials.

Credit, 3 hours

Physics

Professor Turner

Associate Professors Brehme,† Shields, George P. Williams, Jr.

Assistant Professor Mazur

Visiting Professor Noll

In addition to the courses prescribed by the College, the requirements for a B.S. Degree with a major in Physics are a minimum of 33 hours of Physics which must include courses 111, 112, 151, 152, 211, 212; 311, 312, 343; Chemistry 111, 114 and Mathematics through differential equations.

Highly qualified Physics majors are considered by the Department for admission to the honors program in Physics. They must meet certain preliminary requirements, earn a QPR of not less than 3.0 on all college work and 3.3 on all work in Physics, complete satisfactorily Physics 381 and pass a comprehensive written examination. They are then graduated with the designation of "distinction in Physics." For additional information consult members of the Physics staff.

The following is a suggested schedule for Physics

* Required Education course in major field counting toward Education requirement
† Absent on leave, 1964-65.

majors. Electives must be chosen in consultation with the major adviser. Military Science may be taken in addition to the courses listed.

Freshman Year		*Sophomore Year*	
Physics	111, 112	Physics	151, 152
Mathematics	105, 111	Mathematics	112, 113
English	111, 112	Chemistry	111, 114
History	111, 112	English	151, 152
Language*	111, 112	Language	151, 152
Physical Education	111, 112		

Junior Year		*Senior Year*	
Physics	211, 212	Physics	311, 312
Mathematics	251, 311	Physics	343
Religion	111, 112	Philosophy	211
Political Science or Business Administration	151, 152 213, 214	Electives	

105. *Descriptive Astronomy*

An introductory study of the universe from the solar system of the galaxies, with discussions of the celestial sphere and celestial navigation. Several class meetings are scheduled in the evening for purposes of observation. *Credit, 3 hours*

111, 112. *General Physics*

A basic course for freshmen and sophomores including the elements of mechanics, properties of matter, wave motion, sound, heat, electricity and magnetism, light, and some of the recent developments in physics. Three hours lecture, two hours laboratory. Upperclassmen may elect this course but will be given additional assignments. *Credit, 4 hours each semester*

151. 152. *Mechanics, Wave Motion and Heat*

The fundamental principles of mechanics, wave motion, and heat, including the study of equilibrium, motion in a straight line and in the plane, conservation laws, simple harmonic motion, gravitation, fluid dynamics, wave motion, and thermodynamics. Calculus is a co-requisite. Three hours lecture both semesters, two hours laboratory second semester. *Credit, 3 hours each semester*

* German preferred, French allowed.

154. *Mechanics, Heat and Wave Motion Laboratory*

Classical experiments are performed with special attention given to treatment of data and analysis of errors. *Credit, 1 hour*

211, 212. *Electricity*

The first semester includes a study of electric fields and potentials, electrical properties of matter, magnetic fields, circuit theory, and electromagnetic waves. The second semester is a study of the optics of the electromagnetic spectrum, including reflection, refraction, interference, diffraction and absorption. Prerequisite, Math 112 or by permission of the instructor. *Credit, 4 hours each semester*

230. *Electronics*

Elements of electron theory including a study of electrons in vacuum tubes and semi-conduction devices. An analysis is made of basic circuits including amplifiers, oscillators, scalers, and those circuits used in basic research. Prerequisite, Physics 211. *Credit, 4 hours*

301, 302. *Advanced General Physics*

A course designed primarily for science teachers and includes mechanics, wave motion and sound, thermodynamics, electricity, optics, and selected topics, in atomic and nuclear physics. Credit is not allowed for graduate students in the Department of Physics. Prerequisite, Mathematics 105. Three hours lecture.

Credit, 3 hours both semesters

311. *Classical Mechanics*

Selected topics in dynamics including the motion of a system of particles, rigid bodies, and a particle under the action of a central force. This course also includes a study of accelerated reference systems, LaGrange and Hamilton equations, vibrating systems, normal coordinates, vibrating strings and wave motion. Prerequisites, Physics 152, Mathematics 251. *Credit, 3 hours*

312. *Electromagnetic Theory*

A study of the basic equations of electromagnetism with emphasis on the meaning and application of Maxwell's equations. Prerequisite, Physics 211, Mathematics 251. *Credit, 3 hours*

343, 344. *Modern Physics*

A two semester lecture course dealing with the theories of atomic, molecular, and nuclear structure. The first semester will be pre-

dominantly introductory quantum mechanics, and its application to atomic spectra. Molecular and nuclear structure will be studied in the second semester. *Credit, 3 hours each semester*

345, 346. *Modern Physics Laboratory*

A two semester laboratory course designed to illustrate the theories and principles considered in Physics 343 and 344.
Credit, 1 hour each semester

351. *Thermodynamics and Statistical Physics*

A study of heat transfer, the laws of thermodynamics, and change of state. An introduction to the kinetic theory of molecular motion, including velocity and density distribution functions, equations of state, and fluctuations considered from the quantum and classical approach. *Credit, 3 hours*

381. *Research*

Library, conference, and laboratory work performed on an individual basis. Open only to students with superior records. Six hours a week. Prerequisite, permission of the staff. *Credit, 2 hours*

Courses for Graduate Students

412. *Classical Mechanics*

A study of variational principles and LaGrange's equations, the rigid body equations of motion, the Hamilton equation of motion and canonical transformations, Hamilton-Jacobi theory and applications to continuous systems and fields. *Credit, 3 hours*

413. *Electromagnetism*

A study of Maxwell's equations, boundary value problems for the electromagnetic field, and radiation; the ponderomotive equation for the charged particle. *Credit, 3 hours*

441, 442. *Quantum Mechanics*

A study of the foundations of modern quantum theory with an emphasis on the meaning of the wave equation, operators, eigenfunctions, eigenvalues, commutators, matrix mechanics, spin and scattering. *Credit, 3 hours each semester*

452. *Solid State Physics*

An introductory course including the structure of perfect crystalline solids and their thermal, electronic and magnetic properties, the free electron and the band theory of metals, imperfect crystals, transport properties and semiconductors. *Credit, 3 hours*

461. *Nuclear Physics*

An advanced treatment of the properties of nuclear particles and their interactions with matter, theories of nuclear structure and reactions, fission, neutron-proton scattering, deuteron binding, the compound nucleus, beta decay, and the theory of mesons.
Credit, 3 hours

480. *Special Theory of Relativity*

A study of the covariant formulation of physical laws in mechanics and electromagnetism. *Credit, 3 hours*

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Political Science

Professor Richards
Professor of Asian Studies Gokhale
Associate Professors Anderson, Moses
Assistant Professors Fleer, Rhodes
Instructors Reinhardt, Sears

The major in Political Science is 30 hours and must include either Political Science 151, 152 or Political Science 153, 154. The remaining 24 hours in the major and 18 hours of required work in related fields are selected by the student and the Political Science adviser. Political Science 151 or 153 is prerequisite for all other courses in the field. Students of demonstrated ability, however, may be admitted to advanced courses, without this prerequisite, with the written approval of their major adviser and the instructor concerned.

Highly qualified Political Science majors are considered by the Department for admission to the honors program in Political Science. They must meet certain preliminary requirements, earn a QPR of not less than 3.0 on all college work and 3.3 on all work in Political Science, conplete satisfactorily a senior research project, and pass a comprehensive written examination. They are then graduated with the designation of "distinction in Political Science." For additional information consult members of the Political Science staff.

Introductory Courses

151, 152. *Government and Politics in the United States*

A survey course in the origins and characteristics of American political institutions at the national, state, and local levels and the problems and policies of American government in the areas of public finance, regulation of business, agriculture, labor, social welfare, national defense, and foreign affairs. *Credit, 3 hours each semester*

153. *Comparative Politics: The Democracies*

A course devoted to the study of government and politics in democratic societies. The meaning of democracy will be analyzed, and the various patterns and practices of democratic societies and governments will be considered. Illustrative material will be drawn from such states as the United Kingdom, France, Sweden, and the United States. *Credit, 3 hours*

154. *Comparative Politics: Authoritarian States*

A course devoted to the study of government and politics in authoritarian societies. Special attention will be devoted to the Communist ideology and its application in the Soviet Union and China. The prospects for democracy and authoritarian rule in the developing countries will also be analyzed. *Credit, 3 hours*

American Government

211. *American Political Parties*

A study of the organization and functions of parties in American politics. Particular attention will be given to the role of political parties in the nomination of candidates for public office, elections, and the governmental process. *Credit, 3 hours*

212. *Political Behavior*

A study of the influences—social, economic, political—which affect the formation of political opinions and the nature of political participation. Forms of political behavior which will be examined include voting behavior, interest group activity, and the holding of public office. The impact of opinions and political participation on the governmental process will be explored. *Credit, 3 hours*

213. *Public Administration*

An introductory study of the place of administration in the governmental process with special emphasis on the concepts of administrative organization, methods of administrative control, personnel and fiscal management. Current problems and developments are stressed. This course may count as Political Science or Business Administration, but not both. At the time of registration the student must determine in which field credit is desired. *Credit, 3 hours*

216. *Government and the Economy*

An examination of the role of government in the American economy. Primary attention will be given to historical, legal, and political aspects of government policies in regard to monopoly, agriculture, and labor. Selected problems in other areas of interest will also be considered. *Credit, 3 hours*

218. *The Legislative Function and Policy Formation*

A survey of the legislative function in government. Topics considered include the theory of representative government; legislative structure, organization, and procedure; party organization and influence in

legislative bodies; the influence of pressure groups and lobbying in the legislative process; relationships between legislatures and other branches of government. *Credit, 3 hours*

221. *State and Local Government and Politics*

An advanced course in which political patterns, organization, and processes of state and local governments in the United States are given intensive consideration. Selected problems peculiar to non-national governments will be given special emphasis. *Credit, 3 hours*

222. *Urban Government and Politics*

A study of government and politics in the American city and metropolitan communities. Special attention will be given to historical developments, forms and structure of government, state-city relations, political control and power structures, functional activities, and the problem of the suburbs. *Credit, 3 hours*

225, 226. *American Constitutional Law*

A study of the American constitutional system as interpreted and developed through judicial interpretation. The first semester is devoted to a consideration of the Supreme Court as an institution of government, its structure and function in the American political process, and court decisions affecting the three branches of the national government and the nature of the federal system. The second semester is devoted to a study of decisions affecting civil rights, with special emphasis on such topics as freedom of speech, press, religion, and assembly; substantive due process of law; equal protection of the laws; and procedural rights granted the criminally accused.

Credit, 3 hours each semester

Comparative Government

231. *Great Britain and Western Europe*

A study of the British political system in comparison with continental European systems, particularly those of France and West Germany. *Credit, 3 hours*

232. *The Soviet Union and Eastern Europe*

A comparative examination of the political structures and processes of the Soviet Union and other selected non-democratic regimes of Eastern Europe. *Credit, 3 hours*

236. *Latin America*

A comparative analysis of the structures and processes of the political systems in Latin America. *Credit, 3 hours*

239. *Introduction to the Political Culture of China and Japan*

Attention will be given in this course to the development of the political thought and political institutions of East Asia with primary emphasis on China and Japan. While principal consideration will be given to the modern period, considerable time will be devoted to the traditional background. *Credit, 3 hours*

240. *Government and Politics of Southeast Asia*

A study of the governmental systems of Burma, Thailand, Laos, Cambodia, Viet Nam, Malaya, and Indonesia. Special emphasis will be placed on the nature, role, and organization of political parties and the influence of non-political factors on political processes. *Credit, 3 hours*

245. *Government and Politics of South Asia*

A course devoted to the study of the governments of India, Pakistan, Nepal, and Ceylon. Special attention will be given to political organizations, party structures, and provincial and local governmental systems. *Credit, 3 hours*

International Politics

251. *Fundamentals of International Politics*

The course will seek to describe and explain international politics in terms of changing international social systems. The emphasis will be on the ways in which such systems are formed, operate and break down. Major time will be devoted to the development and operation of the present system and to consideration of the place and role of the United States in that system. *Credit, 3 hours*

252. *Current Problems in International Politics*

A study devoted to causes behind, national attitudes toward, and attempted solutions of selected problems in the current international scene. Consideration will be given to such subjects as disarmament, controls for outer space, the underdeveloped areas, and national self-determination. *Credit, 3 hours*

253. *International Organization*

The purpose of this course will be to acquaint the student with the process by which larger communities are formed beginning with the state and working up to such international organizations as the League of Nations and the United Nations. This discussion will include an examination of the contemporary conditions which encourage the growth of larger "security communities." *Credit, 3 hours*

254. *American Foreign Policy*

A study of the role of the United States in the contemporary world, with attention to foreign policy-making machinery, the interplay of foreign and domestic policy questions, the style and the substance of American foreign policy. *Credit, 3 hours*

256. *Geography and Politics*

A study of the relationship between geographic factors and political behavior and organization. Physical geography, climate, as well as demography, will be investigated to establish their influence on politics. Various theoretical approaches will be covered from a social scientific viewpoint to evaluate the interaction between environment and national and international political behavior.
Credit, 3 hours

258. *International Relations of the Latin American States*

A survey of diplomatic relations among the republics of Latin America and of relations of these states with other countries. Some emphasis will be given to Latin America-United States relations.
Credit, 3 hours

Political Theory

261. *Political Theory: Ancient Greece through the Eighteenth Century*

A study devoted to the reading and discussion of selected writers in political theory from ancient Greece to the French Revolution. Special attention is given to Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, and Burke. *Credit, 3 hours*

262. *Political Theory: Nineteenth and Twentieth Century*

A study devoted to the reading and discussion of selected writers in modern political thought. Special consideration will be given to Mill, Hegel, Marx, Engels, Lenin, and the theorists of Democratic Socialism and the Welfare State. *Credit, 3 hours*

264. *American Political Throught*

A study of the origins and uses of political ideas in the United States, with emphasis on recent and contemporary theory. *Credit, 3 hours*

266. *Asian Political Thought*

A one-semester survey course dealing with the development of political thought in Asia. The course will discuss the political ideas of the Hindu-Buddhist and Islamic traditions in Asia and will also analyze the political thought of Gandhi and Sunyat-Sen, Nehru and Mao tse Tung, Jinnah and Sukarno, and explore the general subject of nationalism, liberal democracy and socialism in Asia. *Credit, 3 hours*

Research

281, 282. *Research in Political Science*

An advanced course devoted to extensive reading and research in the field of Political Science. Admission to the course is by permission of the Department only. On the average, class meetings will be held three hours each week. *Credit, 3 hours each semester*

Psychology

Professor John E. Williams
Associate Professors Beck, Dufort
Assistant Professors Catron, Hicks, Hills, Wright

The Department presents Psychology as one of the life sciences, since the basic subject matter and point of view are biological, and as one of the behavioral sciences, with applications of psychological methods to human-social fields. Psychology 151 is prerequisite for all other courses. A student majoring in the Department will be expected to complete 30 hours of work, including courses numbered 211, 212, 323. In addition to the basic (general B.A.) mathematics requirement, a major student must take three additional hours of mathematics from among the following: 111, 157, 161, 255, or other courses approved by the Department of Psychology.

Highly qualified Psychology majors are considered by the Department for admission to the honors programs in Psychology. Admission to this program normally occurs in February of the junior year. Successful completion of the program with the designation "distinction in Psychology" requires that the candidate earn a minimum QPR of 3.3 on all work in Psychology and 3.0 in all other academic work; complete satisfactorily a special sequence of courses including Psychology 281, 282 and 284; and pass a comprehensive written and/or oral examination. For further information consult members of the Psychology faculty.

151. *Introductory Psychology*

A systematic survey of Psychology as a natural science. Sophomore standing required. Three hours lecture-demonstration. Prerequisite to all other courses in Psychology. *Credit, 3 hours*

211, 212. *Introduction to Experimental and Quantitative Methods.*

An introduction to classical and contemporary problems in psychological research, general methods and techniques used in their solution, elementary psychological statistics and their applications. Two hours lecture, four hours laboratory. *Credit, 4 hours each semester*

213. *Psychological Statistics*

Since the statistical procedures are applicable to either populational or experimental data, this course may count as either Psychology or Sociology, but not both. At the time of registration the student must determine in which field credit is desired. Not to be taken by one who has taken Psychology 211, 212. One who takes this course may not receive credit in Bus. Ad. 368, Math 357, 358, or Sociology 280. Two hours lecture, two hours laboratory. *Credit, 3 hours*

241. *Psychology of Adjustment*

Analysis of the principles by which habits and patterns of adjustment are learned and maintained, particularly as these principles have application to the emotional and social adjustment of the normal

individual. Intended primarily for students not majoring in Psychology. Not to be taken by one who has taken Psychology 344. Three hours lecture. *Credit, 3 hours*

266. *Developmental Psychology*

A survey of the psychological development of the child. Topics of special interest are psychoanalytic stages of development, child rearing practices, socialization process and personality development. Occasional special laboratory exercises may be scheduled. Three hours lecture. *Credit, 3 hours*

273. *Psychology of Business and Industry*

Psychological principles and methods applied to problems commonly encountered in business and industry. Three hours lecture.
Credit, 3 hours

281, 282. *Original Problems*

Research problems to be attacked experimentally or statistically by students majoring in the department. Emphasis is placed on independent work with only guidance from the instructor. It is expected that 281 and 282 will be taken in that order. Credit for either semester alone requires special approval of the instructor. Four hours laboratory. Prerequisites: Psychology 211, 212, consent of instructor.
Credit, 2 hours each semester

284. *Honors Seminar in Psychology*

A one-semester seminar, designed for the superior student, exploring in depth some of the more challenging concepts in classical and contemporary psychology. Primarily for juniors who are candidates for distinction in psychology but open to others by permission of the instructor. *Credit, 3 hours*

323. *History and Systems of Psychology*

After noting some psychological concepts in ancient and early modern thinking, this course places major emphasis upon nineteenth and twentieth century developments in Germany, France, Britain, Russia, and America. For junior and senior majors, and others upon consent of the instructor. Three hours lecture. *Credit, 3 hours*

324, 325. *Advanced Theory and Method*

Advanced level courses emphasizing current problems which are being attacked experimentally and theoretically. The journal literature will furnish an important source of material for group discus-

sion, in seminar fashion. 324. *Sensation and Perception.* 325. *Learning and Motivation.* Typically only one of the courses will be offered in a particular year. Prerequisites: Psychology 211, 212, consent of instructor. *Credit, 3 hours each semester*

331. *Comparative Psychology*

A survey of the evolution of behavior and essential morphology from protozoa to primates. Experimentation on simple (reflex) and complex (learning) functions of the white rat and other available forms. Two hours lecture, two hours laboratory. *Credit, 3 hours*

332. *Physiological Psychology*

Integrative and reactive (neural and chemical) functions of the human body as they involve structures in the receptive, the reactive, and the central phases of action, emotion, and thought. Two hours lecture, two hours laboratory. *Credit, 3 hours*

336. *Perception and the Cognitive Processes*

This course is designed to study classical and contemporary approaches to the problems of perception and thinking. Emphasis will be placed on the nature of these processes and on those factors which influence them, including maturation, learning, motivation, emotion, and personality. *Credit, 3 hours*

344. *Abnormal Psychology*

Descriptive analyses of the major mental disorders with a canvassing of attempts at interpretation, and major types of therapy. Some observation of cases will be attempted. Three hours lecture. *Credit, 3 hours*

352. *Psychological Appraisal*

An introduction to the theory and techniques of psychological appraisal with particular emphasis on psychological tests. The course includes the demonstration of various appraisal techniques but is not intended to train the student as a practitioner. Two hours lecture, two hours laboratory. *Credit, 3 hours*

356. *Personality Theory and Research*

An introduction to classical and contemporary theories of personality and a comparative evaluation of major theories in terms of relevant research studies. The journal literature is used to introduce the student to research problems and methodology in this area. Three hours lecture. *Credit, 3 hours*

362. *Social Psychology*

A predominantly experimental approach to current theoretical and research motifs. These include social perception, social motivational theory, attitude measurement and change, social learning, and small group behavior. Occasional special laboratory exercises may be scheduled. Three hours lecture. *Credit, 3 hours*

415, 416. *Research Design and Analysis in Psychology*

Intensive study of the design of experiments and the analysis of research date in psychology. These courses cover conventional methods through complex analysis of variance. Requires previous or concurrent course work in basic statistics. *Credit, 3 hours each semester*

427, 428. *Behavior Theory*

A critical examination of theories of behavior and the evidence on which they are based, with particular emphasis on theories of learning. *Credit, 2 hours each semester*

434. *Biological Psychology*

Study of the biological bases of perceptual, motivational, and learning phenomena, with special emphasis on the role of the nervous system. *Credit, 3 hours*

451. *Theory and Practice of Psychological Testing*

Comparative analysis and examination of standard tests used for psychological assessment with attention to both techniques of administration and test theory. Mr. Hills

Credit, 2 hours

457. *Experimental Approaches to Personality*

Contemporary approaches to the study of personality with special emphasis upon the research methodology of this area. *Credit, 2 hours*

481. *Contemporary Problems in Psychological Theory*

Intensive study of current theoretical problems in a selected area in psychology. Areas from which the content may be drawn in any given year include: social, motivation and emotion, sensation and perception, cognitive processes, animal behavior, and psycholinguistics.

Staff

Credit, 3 hours

491, 492. *Thesis Research*

Credit, 3 hours each semester for two semesters

Religion

Professors Griffin, Angell, Bryan, E. W. Hamrick
Associate Professors Dyer, Via*
Assistant Professors Eakin, Mitchell, Talbert Trible

The Department of Religion offers courses in instruction designed to give every student entering Wake Forest an opportunity to acquire at least an introduction to the life, literature and the most important movements in the field of religion. It also seeks to give to students preparing for specialized service, as religious education directors, ministers, and missionaries, the foundational courses needed for further study.

Six hours in Religion are required for all degrees. These may be taken from the offerings of the Department in the Biblical field as follows: 111, 112, 113, 115, 116, 117, 214, 215, 216, 221, 225, 231.

A major in Religion requires 30 credit hours—at least 12 hours in Biblical studies and the remaining hours from other offerings of the Department. At least half of the 30 hours must be in courses numbered 200 or above.

A major in Religious Education requires 30 credit hours—12 hours in Biblical studies and 18 hours selected from the following: Religion 240, 241, 245, 247, 248, 256, 264, 271, 292; Music 229, 230.

Pre-seminary students are advised to include in their program of study, in addition to courses in Religion, courses in Philosophy, Ancient History, Public Speaking, and two languages, Greek or Latin, and German or French.

Majors in Religion who have completed three courses in the Department with a QPR of 3.3, and an overall

* Absent on leave, 1964-'65

QPR of 3.0 on all college work, may apply to the Chairman of the Department for admission to the honors program by midterm of the first semester of the candidate's junior year. Upon completion of all the requirements, the candidate will be graduated with the designation of "distinction in Religion." For further information consult members of the Religion Department.

Biblical Studies

111. *Introduction to the Old Testament*

A survey of the Old Testament designed to introduce the student to the history, literature and religion of the ancient Hebrews.

STAFF

112. *Introduction to the New Testament*

A survey of the environment, literature and thought of the New Testament intended to introduce the student to the significance of the ministry of Jesus and the origins of the Christian Church. Prerequisite, Religion 111. STAFF

113. *The Hebrew Prophets*

A study of the background, personal characteristics, function, message, contribution, and present significance of the Hebrew prophets. Prerequisite, Religion 111. MR. HAMRICK, MISS TRIBLE

115. *The Life and Teachings of Jesus*

A study of the life and teachings of Jesus as they are presented in the Gospels; purpose, to acquaint the student with the environment, personality, work and message of the historical Jesus. Not open to students who have credit for a New Testament survey course. Prerequisite, Religion 111. MR. GRIFFIN

116. *The Life and Teachings of Paul*

A survey of the life and teachings of Paul as they are given in Acts and in the Epistles; special consideration to Paul's contribution to the expansion and the literature of Christianity. Not open to students who have credit for a New Testament survey course. Prerequisite, Religion 111. MR. TALBERT

117. *The Bible Through the Ages*

A study of the beginnings, development, and transmission of the Bible with special attention to the formation of the canon and the history of Biblical translation. Prerequisite, Religion 111.

MR. HAMRICK

214. *Introduction to Biblical Archaeology*

A survey of the contributions of Near Eastern archaeology to Biblical studies. Prerequisite, Religion 111. MR. HAMRICK

M W F 7

215. *The Narrative Literature of the Old Testament*

A study of types of narratives in the Old Testament and of the relationship between literary forms and meaning. Special attention will be given to the narrative traditions of the Pentateuch.

T Th S 2 MISS TRIBLE

216. *The Poetic Literature of the Old Testament*

A study of Job, Psalms, Proverbs, Song of Solomon, Lamentations, with some attention to scattered poems in other Old Testament books. Prerequisite, Religion 111. MISS TRIBLE

T Th S 2

S217. *Ancient Israel and Her Neighbors*

A comparative study of ancient Near Eastern cultures and religions, with special emphasis on Israel's relationships with surrounding peoples. MR. HAMRICK

218. *An Introduction to Old Testament Thought*

Major motifs of revelation in the Old Testament; analysis of recent attempts to write an Old Testament theology. MISS TRIBLE

M W F 3

221. *An Introduction to New Testament Thought*

A consideration of the major developing themes of the New Testament as they are seen to grow out of the proclamation of the earliest church. Prerequisite, Religion 111. MR. VIA

M W F 2

222. *Johannine Literature*

A thorough consideration of the Gospel of John, First John, and Revelation. Prerequisite, Religion 111 and 112. MR. TALBERT
M W F 2

226. *The Synoptic Gospels*

An investigation of the Gospels of Matthew, Mark, and Luke as interpretations of the Christ-event, with a view to establishing the perspective, theology, and purpose peculiar to each Evangelist.
M W F 1 MR. TALBERT

227. *Major Epistles of Paul*

A thorough consideration of two of Paul's major epistles to be chosen from the following: Romans, 1 Corinthians, 2 Corinthians, Galatians, and Colossians. Prerequisite, Religion 111 and 112. MR. VIA
M W F 2

Christian Ethics

231. *Biblical Ethics*

The development of ethical monotheism in the Torah and prophetic writings, its fulfillment in the love ethic of Jesus, and its application in the Early Church under the guidance of Paul.
M W F 4 MR. BRYAN

234. *Christianity and Society*

An exposition of the ethical teachings of Jesus relating to society; special attention to the application of Christian principles to the social problems of the Southeastern States. MR. BRYAN
T Th 6-7

236. *Church and Community*

An examination of the basic needs and trends of the contemporary community, especially the rural and suburban, in the light of the Christian norms for "the good community" (*koinonia*); the strategy of the church in constructive community relations.
T Th 6-7 MR. BRYAN

Religious Education

240. *Theory of Religious Education*

A study of the nature and meaning of religious education with emphasis upon the basic foundations in religion and education. Attention is given to various viewpoints about learning; to objectives; to a consideration of curriculum. MR. MITCHELL

M W F 3

241. *Administration of Religious Education*

The aim of this course is to prepare students for practical leadership in the educational work of the churches. Emphasis is laid upon the church school and other auxiliary agencies, through which the churches carry on their program of education, and upon practical methods of organizing and administering such a program.

M W F 2 MR. MITCHELL

245. *Psychology of Religion*

An examination of the psychological elements in the origin, development, and expression of religious experience. Informal lectures and class discussions on assigned readings. MR. MITCHELL

M W F 5

247. *The Religious Education of Children*

Designed as an introduction to the study of child developnent and its significance for the home and church in regard to religious education. The course deals specifically with age groups from the nursery through juniors MR. DYER

M W F 7

248. *The Religious Education of Young People and Adults*

A study of growth and development from adolescence through adulthood, with emphasis on the role of home and church as religious educators. MR. DYER

M W F 7

254. *Life and Work of the Minister*

A study of the Christian ministry designed to help the student prepare himself for this calling. Pastoral duties, ministerial ethics, and other related functions will be studied. MR. DYER

M W F 3

256. *Polity and Worship in American Religious Life*

A comparative study of the organization and worship of the major religious bodies in the United States today, including a brief examination of historical roots. MR. MITCHELL

M W F 4

292. *Teaching of Religion—Methods and Materials*

A study of the principles and purposes of method and of the use of methods and materials in the field of religious education especially as it is related to the work within the local church and community. This course may be credited as Education for those who are applicants for a state teacher's certificate in religious education.

T Th 7-8 MR. MITCHELL

Historical and Theological Studies

261. *World Religions*

The place of religion in life and the origin, nature, and accomplishments of the living religions of the world, studied from the historical point of view. MR. GRIFFIN

T Th 4-5

264. *The History of Christianity*

A rapid survey of the history of the Christian Church with particular attention to Baptist policy and principles and the missionary movement of the last two centuries. MR. GRIFFIN

T Th 4-5

271. *An Introduction to Christian Theology*

A systematic study of the principal doctrines of Christianity as they are found in the Bible, such as Revelation, God, the Trinity, the Incarnation, Man, Sin, and Salvation. MR. ANGELL

M W F 3

273. *The History of Christian Thought*

A study of the history of Christian thought, beginning with its Hebraic and Greek backgrounds and tracing its rise and development to modern times. MR. ANGELL

T Th S 2

274. *Contemporary Christian Thought*

An examination of the types of contemporary Christian theology, such as Protestant Orhodoxy, Thomism, Liberalism, Modernism, and Neo-Orthodoxy. MR. ANGELL

T Th S 2

278. *Man in Christian Theology and Modern Literature*

A study of the nature and predicament of man as seen in the Bible and contemporary theology as over against conflicting views of man implied in selected works of modern fiction. MR. VIA

M W F 2

Romance Languages

A major in this Department requires 30 hours in either French or Spanish.

A language laboratory has been in operation since September 1960. Students enrolled in language courses numbered 111, 112, 151 and 152 are required to spend one hour per week in the laboratory as part of their class preparation.

French or Spanish majors who have a minimum quality point ratio of 3.0 in all college work and 3.3 in Romance Language courses may be admitted to the honors program in Romance Languages. Honors candidates must complete a major in French or Spanish with an over-all quality point ratio of at least 3.0 and a minimum quality point ratio of 3.3 in Romance Language courses. Honors candidates must satisfactorily complete a research project six weeks prior to the final examinations in the last semester of their senior year. Honors candidates must pass a comprehensive written and oral examination. The oral examination may be conducted, at least in part, in the student's major language. Successful honors candidates are graduated with the designation "distinction in Romance Languages."

I
French

PROFESSORS PARCELL, PARKER, SHOEMAKER
ASSOCIATE PROFESSOR MARY FRANCES ROBINSON
ASSISTANT PROFESSOR ANNE TILLETT
INSTRUCTORS ARENSBACH, HUMPHREY, IVEY, RUNNER

111, 112. *Elementary French*

A course for beginners, covering the principles of French grammar, and the reading of elementary texts. The equivalent of two years of French in high schools. *Credit, 3 hours each semester*

151, 152. *Intermediate French*

A continuation of grammar and composition. Translation of a number of texts with a view to building up a vocabulary and acquiring facility in pronunciation and sight reading. Prerequisite, French 111, 112 or its equivalent. *Credit, 3 hours each semester*

211, 212. *Introduction to French Literature*

Reading of selected texts. Parallel reading and reports. Prerequisite French 151, 152 or its equivalent. *Credit, 3 hours each semester*

S214. *Introduction to French Literature*

Reading of selected texts. Parallel reading and reports. This course covers material not covered in either French 211 or 212 in order that it may be substituted for either course as a requirement for graduation. Prerequisite: French 152 or its equivalent *Credit, 3 hours*

221. *Conversation and Phonetics*

A course stressing practice in speaking French. Particular attention paid to phonetics, pronunciation, intonation, fluency, correctness of sentence structure, and vocabulary of everyday situations. Prerequisite: French 152 or its equivalent. *Credit, 3 hours*

222. *Composition and Review of Grammar*

A systematic review of the fundamental principles of grammar, with intensive practice in translation and composition aimed at the development of a reasonable competence in writing correct French. Prerequisite: French 152 or its equivalent. *Credit, 3 hours*

223. *Advanced Composition*

Practical training in writing French, both from literary models and in free composition. Further analysis of comparative grammar and study of problems not treated in more elementary courses. English texts of increasing difficulty will be translated and discussed in class. Prerequisite: French 222 or its equivalent. *Credit, 3 hours*

224. *French Civilization*

A survey of present-day French culture, including consideration of its historical development. Emphasis on intellectual, artistic, political, social and economic life of France. Course conducted in French. Prerequisite: French 221 or permission of instructor.
Credit, 3 hours

231. *Medieval French Literature*

A survey of French literature of the Middle Ages with cultural and political backgrounds. Translation of selected masterpieces in original form and modern transcription; lectures, parallel reading and reports. Conducted in English. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1965-66*) *Credit, 3 hours*

232. *Sixteenth Century French Literature*

After a brief consideration of the historical background, a survey of the outstanding writers of the sixteenth century. Lectures, parallel reading and reports. Conducted in English. Prerequisite, French 211, 212 or its equivalent.
M W F 5

241, 242. *Seventeenth Century French Literature*

After a brief consideration of the historical background, a survey of the outstanding writers of the classical age. Lectures, parallel reading and reports. Conducted in English. Prerequisite, French 211, 212 or its equivalent.
M W F 5

244. *Molière*

Intensive study of the plays. Some translation in class. Parallel reading, lectures and reports. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1965-66*)
M W F 5

246. *Racine*

Intensive study of the plays. Some translation in class. Parallel reading, lectures and reports. Prerequisite, French 211, 212 or its equivalent.
M W F 5

251. *Eighteenth Century French Literature*

A survey of French philosophical and political literature of the eighteenth century. Emphasis on Montesquieu, Voltaire, Diderot, Rousseau, and *L'Encyclopédie*. Intensive and extensive reading, lectures, and reports. Prerequisite, French 211, 212 or its equivalent.
Credit, 3 hours

261. *French Romanticism*

A study of the chief French romantic poets. A considerable amount of the poetry of Lamartine, Musset, Hugo and Vigny read in class, supplemented with parallel reading. Lectures and reports. Conducted in English. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1965-66*)
M W F 5

263. *Trends in French Poetry*

Poetic theory and practice in France from the Renaissance to the Revolution, and from 1850 to about 1900. A considerable amount of poetry from both periods will be studied in class. The romantic poets will be considered briefly in order to maintain the over-all perspective. Lectures, discussions, and reports. Prerequisite, French 211, 212 or its equivalent.
T Th 5-6 *Credit, 3 hours*

264. *The French Novel*

A study of several masterpieces in the field of the novel, including representative selections from the *conte* and the *nouvelle*. The development of the novel from the seventeenth century to the early twentieth century. Lectures, parallel reading and reports. Prerequisite, French 211, 212 or its equivalent. (*Not offered in 1965-66*) *Credit, 3 hours*

265. *Nineteenth Century French Drama*

An intensive study of the principal dramatic works, and a consideration of the related literary movements which evolved during the course of the nineteenth century in France. Lectures, parallel readings, oral and written reports. Prerequisite, French 211, 212 or its equivalent. *Credit, 3 hours*

271. *French Literature of the Twentieth Century*

An analysis of the currents in French literature during the first half of the twentieth century, beginning with a brief survey of the trends which are carried over from the last century. Representative works of the foremost prose writers and dramatists will be studied in detail. Lectures in English and/or French, supplemental readings, oral and written reports. Prerequisite, French 211, 212, or its equivalent.
M W F 3

291. *Education—The Teaching of French*

A survey of methodology of general principles in the teaching of modern foreign languages in secondary schools. Particular attention is paid to the teaching of grammar, reading methods, pronunciation and oral work and conversational languages. Realia materials examined and evaluated. Some attention is given to the possibilities now being developed in languages for the elementary school.

Credit, 3 hours

II

Hindi *

PROFESSOR GOKHALE

111, 112. *Elementary Hindi*

Basic Hindi grammar and vocabulary. The course is primarily designed to give the student enough knowledge of the language to read newspapers and simple Hindi books.

Credit, 3 hours each semester

151, 152. *Intermediate Hindi*

A two semester course devoted to the teaching of the basic principles of literary Hindi; advanced vocabulary building and composition; introduction of Hindi literary texts. *Credit, 3 hours each semester*

III

Russian *

ASSISTANT PROFESSOR ANNE TILLETT

111, 112. *Elementary Russian*

The essentials of Russian grammar and the reading of elementary texts. Admission with the consent of the instructor.

Credit, 3 hours each semester

151, 152. *Intermediate Russian*

Continuation of the study of Russian grammar, with practice in conversation and composition. Reading of selected texts. Prerequisite Russian 111, 112 or its equivalent. *Credit, 3 hours each semester*

* This course is attached to the Department of Romance Languages for administrative purposes only.

IV

Spanish

Associate Professor King

Assistant Professor Campbell

Instructors Delgado, Humphrey, Runner, Smith

111, 112. *Elementary Spanish*

A course for beginners, covering grammar essentials, pronunciation, dictation, and reading of simple prose. *Credit, 3 hours each semester*

151, 152. *Intermediate Spanish*

A review of grammar and composition with practice in conversation. Reading of selected texts. Prerequisite, Spanish 111, 112 or its equivalent. *Credit, 3 hours each semester*

211, 212. *Introduction to Spanish Literature*

A survey of Spanish literature from the Middle Ages to the contemporary period. Parallel reading and reports. Prerequisite, Spanish 151, 152 or its equivalent. *Credit, 3 hours each semester*

213. *Spanish American Literature*

A general survey of Spanish American literature from the Colonial through the contemporary period, including selections from representative novels, short stories, essays, and poetry. Parallel reading and reports. Prerequisite, Spanish 151, 152. *Credit, 3 hours*

S214. *Introduction to Spanish Literature*

Reading of selected texts. Parallel reading and reports. This course covers material not covered in either Spanish 211 or 212 in order that it may be substituted for either course as a requirement for graduation. Prerequisite, Spanish 152 or its equivalent.
Credit, 3 hours

221. *Conversation and Phonetics*

A course stressing practice in speaking Spanish. Particular attention paid to phonetics, pronunciation, intonation, fluency, correctness of sentence structure, and the vocabulary of everyday situations. Prerequisite: Spanish 152 or its equivalent. *Credit, 3 hours*

222. *Latin American Civilization*

A survey of present-day Latin American culture in the light of its historical development. Emphasis on the intellectual, artistic, political, social and economic life of Latin America. Lectures, discussion, and oral and written composition. Course conducted in Spanish. Prerequisite: Spanish 221 or permission of instructor.

Credit, 3 hours

223. *Advanced Grammar and Composition*

A thorough and systematic review of the fundamental principles of grammar, with intensive practice in translation, composition and language analysis, aimed at the development of a reasonable competence in writing correct Spanish. Prerequisite: Spanish 152 or its equivalent. *Credit, 3 hours*

224. *Spanish Civilization*

A survey of present-day Spanish culture in the light of its historical development. Emphasis on the intellectual, artistic, political, social and economic life of Spain. Lectures, discussion, and oral and written compositon. Course conducted in Spanish. Prerequisite: Spanish 221 or permission of instructor. *Credit, 3 hours*

234. *Spanish Prose Fiction Before Cervantes*

A historical and critical analysis of the several types of prose fiction which developed in Spain prior to the appearance of the *Quixote* in 1605. Lectures and readings provide the foundation for class discussion of the sentimental, chivalric, pastoral, Moorish, and picaresque novels as forerunners of the prose masterpiece by Cervantes. (*Not offered in 1965-66*) *Credit, 3 hours*

241. *Golden Age Drama*

A study of the drama of the Golden Age with emphasis upon the dramatic works of Lope de Vega, Calderón de la Barca, Tirso de Molina, and Ruiz de Alarcón. Lectures, classroom discussions, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent. *Credit, 3 hours*

243. *Cervantes*

Intensive study of the life and works of Cervantes, with special emphasis on the *Quixote* and the exemplary novels. Lectures, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent.

M W F 5 (*Not offered in 1965-66*)

261. *Nineteenth Century Spanish Novel*

A study of the novels of Valera, Pereda, Galdós, Pardo Bazan, Blasco Ibañez and their contemporaries, with consideration of literary and social trends in the last half of the nineteenth century. Lectures, readings, and reports. *Credit, 3 hours*

262. *Spanish Romantic Drama*

An intensive study of Spanish Romanticism with emphasis on the drama. Lectures, classroom discussions, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent.

M W F 5

265. *Spanish American Novel*

A study of the novel in Spanish America from its beginnings to the contemporary period. Lectures, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent. *Credit, 3 hours*

272. *Modern Spanish Drama*

An intensive study of the principal Spanish dramatic works of the present century, beginning with the "Generation of '98" and continuing up to the contemporary period. Lectures, classroom discussions, dramatic criticism, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent. (*Not offered in 1965-66*)

M W F 5

273. *The Modern Spanish Novel*

An extensive study of representative Spanish novels, beginning with the works of the "Generation of '98" and continuing up to the contemporary period. Lectures, classroom discussions, parallel reading and reports. Prerequisite, Spanish 211, 212 or its equivalent. (*Not offered in 1965-66*)

M W F 5

291. *Education—The Teaching of Spanish*

A survey of methodology of general principles in the teaching of Romance Languages in secondary schools. Particular attention is paid to the teaching of grammar, reading methods, pronunciation and oral work and conversational languages. Realia materials examined and evaluated. Some attention is given to the possibilities now being developed in languages for the elementary school.

M W F 1

Sociology and Anthropology

Professors Banks, Patrick

Assistant Professors Chee, Earle, Prichard, Robertson, Tefft

The requirement for a major in Sociology and Anthropology is 30 hours which must include Sociology and Anthropology 151, 251 or 252, 271, 280, and 284. Students who choose Sociology and Anthropology to meet the basic course requirements will take Sociology 151 and any course numbered from 223 to 259 except 248 and 249.

Qualified Sociology and Anthropology majors may be considered by the department for admission to the honors program in Sociology and Anthropology. They must have earned a QPR of not less than 3.0 on all college work and 3.3 on all work in this department, satisfactorily complete a senior research project and pass a comprehensive oral and written examination. They are then graduated with the designation of "distinction in Sociology and Anthropology." Members of the staff may be consulted for additional information.

Sociology

151. *Principles of Sociology*

A general introduction to the field of Sociology: social origins; culture, human nature; collective behavior; communities; social institutions; social change. *Credit, 3 hours*

223. *Social Organization*

An analysis of the structure and function of small and large human groups. Special attention will be given to the bureaucratic structure of selected voluntary associations and administrative organizations. Prerequisite, Sociology 151. *Credit, 3 hours*

225. *Industrial Sociology*

A study stressing the relationship between industry and society, industry and the community, work groups and work relations, the role of the worker in work groups, and the social organization within industries. Prerequisite, Sociology 151. *Credit, 3 hours*

233. *The Community*

A survey of materials relating to the community as a unit of sociological investigation. The structure and functioning of folk, rural and urban communities will be studied in order to bring out the general principles that apply to this form of social organization. Prerequisite, Sociology 151. *Credit, 3 hours*

235. *Sociology of Health*

Concepts of illness and health; socio-cultural factors in physical and mental illness; the organization of medical care, primitive and contemporary; the sociology of mental hospitals. Prerequisite, Sociology 151. *Credit, 3 hours*

239. *Public Opinion and Propaganda*

The nature and development of public opinion; its relation to attitude, biases, stereotypes and controversial issues. The place of communication in formal and informal means of control; role of leaders, pressure groups and minority groups; propaganda and censorship; use of radio, press, motion picture and graphic arts; and measurement of public opinion. Prerequisite, Sociology 151. *Credit, 3 hours*

240. *Sociology of Child Development*

A study of the process of socialization in the light of contemporary behavioral science; the primary factors in personality development; the relations between personality and social structure. Prerequisite, Sociology 151. *Credit, 3 hours*

241. *Criminology*

A study of crime from the point of view of its nature, causes, personal and social consequences, and methods of treatment and prevention. Prerequisite, Sociology 151. *Credit, 3 hours*

244. *Social Deviation and Disorganization*

A study of the theoretical approaches to some of the principal social and personal problems in contemporary society. Primary emphasis

will be given to the relationship between social structure and social problems. Prerequisite, Sociology 151. *Credit, 3 hours*

248. *Marriage and the Family*

A study of the social basis and importance of the family, with especial reference to the influence of social change on family life and the problems growing out of modern conditions. *Credit, 3 hours*

249. *Introduction to Social Work*

This is a pre-professional course which is designed to introduce the student to social work and its various fields. This course carries 3 hours credit with field work, 2 hours without field work. Prerequisite, Sociology 151 and permission of the instructor.

Credit, 2 or 3 hours

255. *Oriental Social and Cultural Systems*

This course is designed primarily to develop in the student a knowledge and an understanding of the basic social and cultural systems of the Orient. Major emphasis will be given to the study of the process of socialization and social institutions. The influence of current cultural contacts with the West and consequent changes in the traditional social institutions will be discussed. Prerequisite, Sociology 151. *Credit, 3 hours*

256. *Modern Asia: the Social Impact of the West*

A study of the cultural contact between East and West with special emphasis on the current social changes in Asian societies under the impact of western technology and ideology. *Credit, 3 hours*

259. *Race and Culture*

A study of racial and ethnic groups from a cultural point of view. A number of inter-racial areas of the world are analyzed with especial reference to Hawaii, Brazil, South Africa, and the United States. Prerequisite, Sociology 151. *Credit, 3 hours*

271. *Contemporary Social Theory*

A systematic study of the major writings in the development of modern sociological thought. The sociological theories of recent writers will be critically examined with a view to laying the foundations for the student's own constructive theory of social life. Prerequisite, Sociology 151. *Credit, 3 hours*

280. *Social Statistics*

This course is designed primarily for the first year of statistics for students in Sociology and related fields. It will deal with research designs, the collection, tabulation, charting, analysis, and summarization of data. Emphasis will be upon the application rather than the theory of statistical methods. This course may count as either Sociology or Psychology, but not both. At the time of registration the student must determine in which field credit is desired. One who takes this course may not receive credit in Bus. Adm. 368, Math 357, 358 or Psychology 213. *Credit, 3 hours*

284. *Social Research*

A survey of the field of sociological research. Practice in the methods of developing studies and analyzing sociological data is emphasized. Prerequisite, Sociology 151, senior standing, and permission of the instructor. *Credit, 3 hours*

285, 286. *Seminar*

A reading and research seminar for majors in Sociology and Anthropology. Students will normally register for 285 in their junior year and 286 in their senior year. *Credit, 1 hour each semester*

Anthropology

251. *Human Origins*

An introduction to the fields of physical anthropology and archaeology, presenting materials on human biology, fossil man, and prehistoric cultures. Students are given an opportunity to do field and laboratory work. Desirable as background for other courses on anthropological topics, such as Anthropology 252 and 257. Prerequisite, Sociology 151. *Credit, 3 hours*

252. *Cultural Anthropology*

An introduction to the scientific study of culture, using materials drawn from ethnology and social anthropology. Emphasis will be given to non-literate cultures, and such topics as technology, economics, kinship and political organization, religion, art, and language will be surveyed. Prerequisite, Sociology 151. *Credit, 3 hours*

253. *Peoples and Cultures of Africa*

A survey of the representative races and cultures of Negro Africa south of the Sahara. Their family, political, religious and economic institutions will be analyzed as well as their value and symbol systems. Consequences of tribal confrontation with Euro-American cultures will be considered. Prerequisite, Sociology 151. *Credit, 3 hours*

254. *Primitive Religion*

A study of the world-view and values of various nonliterate cultures as expressed in their myths, rituals, and art. The role of culture in providing a structure for the perception of reality will be explored, and the importance of symbols in human activity will be stressed. Prerequisite, Sociology 151. *Credit, 3 hours*

257. *Culture and Personality*

A study of the relations between the individual and his society, including the influence of culture in shaping personalities and the part the individual plays in carrying on or changing his culture. Prerequisite, Sociology 151. *Credit, 3 hours*

258. *The American Indian*

A survey of the ethnology and prehistory of the American Indian. Reading and classroom work will be supplemented by field trips to sites of major importance. Prerequisite, Sociology 151. *Credit, 3 hours*

262. *Human Ecology and Geography*

The nature of fitness of Man's environment; his requirements, general and special; the phenomenon of culture and its role as an ecological factor. *Credit, 3 hours*

273. *Ethnography of Southeast Asia*

An anthropological study of the cultures of Southeast Asia. Attention will be concentrated on the nonliterate cultures in Burma, Thailand, Laos, Cambodia, Viet Nam, Malaya, and Indonesia, supplemented by material on the high cultures of the area.
Credit, 3 hours

Speech

Professor Shirley
Associate Professor Burroughs
Instructors Dailey, Walton
Lecturer Knobeloch

The major in Speech consists of 30 credit hours which must include courses 151, 161, 211, 228, 241, and 271. The Speech adviser will recommend the remaining 12 hours from courses that conform to the individual's needs. Each Speech major is strongly urged to elect courses in the Social Sciences, Psychology, Philosophy, and Literature.

Superior speech majors meeting certain specified requirements may be invited by the Department to participate in the honors program in Speech. To fulfill the requirements for honors, a student must earn a QPR of 3.3 on all Speech courses and an overall QPR of 3.0 successfully complete Speech 289, and pass a comprehensive written and oral examination at the end of the senior year. Upon satisfactory completion of these requirements, the candidate will be graduated with distinction in Speech. Members of the Speech staff will provide additional information.

151. *Speech Fundamentals*

A study of the nature and fundamentals of Speech (voice, visible action, spoken language, and mental activity). Practice in the preparation and delivery of short speeches; foundation work for advanced speech study; use of tape recorder.

M W F 2, 3, 4, 6; T T S 4

152. *Public Speaking*

The preparation and presentation of short speeches to inform, convince, actuate, and entertain with special emphasis on organization and language. Experience in selecting, classifying, and recording materials; practice in effective delivery; use of tape recorder. Prerequisite, Speech 151.

M W F 4

161. *Voice and Diction*

A study of the principles of voice production with consideration to the elimination of throat fatigue, huskiness, nasality, extremes of pitch, indistinctness, monotony, and mispronunciation. Emphasis placed on phonetics as the basis for correct sound formation. Students voices are recorded.

M W F 2

211. *Oral Interpretation of Literature*

The development of adequate mental and emotional responsiveness to literature and the ability to communicate this appreciation to others by oral reading. Various types of literature used for study and practice: the short story, old ballad, narrative poem, lyric, sonnet, and essay.

M W F 2

221. *History of the Theater*

A survey of the development of theater from its earliest beginnings to the present. Emphasis will be placed on Greek, Roman, French, Italian, and English Theater. Open to freshmen and sophomores by permission of instructor.

M W F 7

222. *History of the American Theater*

A survey of theatre in America from colonial to modern times. Attention will be given to the development of the American theater as a cultural force, with study of plays, playwrights, performers, design, architecture, theory, and philosophy from 1660 to the present.

M W F 7

223. *Stagecraft*

A study of the visual elements of play production: the theory of stage design; color and line; the building and painting of scenery; the making of stage models; costuming and make-up; stage lighting, properties, and stage effects. Practical experience gained in laboratory and College Theater productions. Open to freshmen and sophomores by permission of instructor.

T Th 6-7 *Credit, 3 hours*

226. *Theories of Acting*

A study of the acting theories of the important actors and theater theorists from Aristotle through Judith Anderson. Attention will be

given to acting techniques, practice in applying the various principles involved in creating a characterization, and director-actor relationships. Open to freshmen and sophomores by permission of instructor.
T Th 6-7 *Credit, 3 hours*

228. *Play Directing*

A study of the theory and practice of play directing in the modern theater with emphasis on the educational theater; training in selecting and analyzing scripts; experience in casting and conducting rehearsals from the point of view of the director; participation in laboratory and College Theater productions. Prerequisite, Junior standing.
T Th 6-7 *Credit, 3 hours*

241. *Introduction to Broadcasting*

A study of the development and structure of radio and television broadcasting in the United States with special attention to programming and current problems in broadcasting. Laboratory work in radio and television announcing. Open to freshmen and sophomores by permission of instructor.
M W F 6

242. *Radio and Television Production*

A study of the fundamentals of writing and directing radio and television programs with laboratory work in producing dramas, documentaries, educational programs, and special events programs. Open to freshmen and sophomores by permission of instructor.
M W F 6

251. *Forms of Address*

The composition and delivery of social, ceremonial, professional, policy forming, and legislative addresses; emphasis placed on structure, support, and style; attention given to effective delivery; study of classical and current speech texts; critical observations of speakers outside the class; use of tape recorder. Prerequisite, Speech 151 or permission of instructor.
M W F 6

253. *American Public Address*

The history and criticism of American public address through the study of speeches of significant statesmen, lawyers, and clergymen from colonial times to the present; emphasis on sources of effectiveness.
M W F 7

261. *Speech Correction*

An introductory study of principles and methods of speech correction. Emphasis upon functional and pathological disorders with some attention to problems of delayed speech, audiology, and sound substitutions. Observations and clinical practice will be provided.

T Th 4-5 *Credit, 3 hours*

262. *Speech Pathology*

Essentially a detailed treatment of the disorders of speech. The course will be supplemented by training films, outside reading assignments and a research project. Prerequisite, Speech 261. *Credit, 3 hours*

263. *Audiology*

An introductory survey of the field of hearing and hearing disorders. The course will be supplemented by a research project, outside reading, films, and observation in a local audiology clinic. Prerequisite, Speech 261. *Credit, 3 hours*

271. *Argumentation and Debate*

Emphasis upon the essentials of argumentation; research analysis, evidence, reasoning, case construction, and refutation; with applications to public speaking and debate. Open to freshmen and sophomores by permission of instructor.

M W F 7

272. *Group Discussion and Conference Leadership*

An introduction to the theory and practice of cooperative group deliberation for the purpose of problem-solving through reflective thinking. Practice in conferences, panels, committee meetings, and forums.

M W F 7

289. *Honors Course in Speech*

A thorough research paper and a project involving intensive work in an area of special interest will be performed on an individual basis under an advisor appointed by the departmental honors committee. Open to seniors who are candidates for graduation with distinction in Speech. *Credit, 1 hour*

291. *Education—The Teaching of Speech*

A study of speech methods and resources, emphasizing theories and practices in teaching speech in the secondary school. Con-

sideration will be given to methods of teaching and directing public speaking, voice and diction, discussion and debate, interpretation, theater, radio and television, and speech correction.

T Th 5-6 *Credit, 3 hours*

The Asian Studies Program

As a result of a grant from the Mary Reynolds Babcock Foundation, an Asian studies program was inaugurated in the fall of 1960 at Wake Forest College, Salem College, and Winston-Salem State College. The director of the program is Professor B. G. Gokhale, and the following courses are available in the Wake Forest College curriculum:

History 341, 342. *History and Civilization of Southeast Asia*

History 347, 348. *Modern India*

Hindi 111, 112. *Elementary Hindi*

Hindi 151, 152. *Intermediate Hindi*

Political Science 240. *Government and Politics of Southeast Asia*

Political Science 245. *Government and Politics of South Asia*

Political Science 266. *Asian Political Thought*

Sociology 255. *Oriental Social and Cultural Systems*

Sociology 256. *Modern Asia: The Social Impact of the West*

Anthropology 273. *Ethnography of Southeast Asia.*

A description of each of these courses may be found in the curriculum of the department concerned.

Courses at Salem College

Wake Forest College and Salem College participate in a plan of exchange credits whereby courses offered at Salem and not offered at Wake Forest are available to

full-time students regularly enrolled at Wake Forest. The same privilege is extended by Wake Forest to full-time Salem students.

A Wake Forest student interested in taking a course at Salem must make formal application in advance, and the application must be approved by his faculty adviser and by the Dean of the College. No financial payment is necessary except in certain courses in which the student receives private instruction. Grades and quality points earned in courses at Salem are evaluated in the same way as they would be if the work were taken at Wake Forest.

More detailed information about this plan is available in the offices of the Registrar and the Dean of the College. The plan is effective only during the regular academic year and not during any summer session.

SCHOOL OF BUSINESS ADMINISTRATION

Faculty*

HAROLD WAYLAND TRIBBLE, *President*
GAINES M. ROGERS, *Dean and Professor of Finance*
LEON P. COOK, *Associate Professor of Accounting*
RALPH C. HEATH, *Professor of Marketing*
DELMER P. HYLTON, *Professor of Accounting*
OSCAR J. LEWIS, *Associate Professor of Accounting*
JEANNE OWEN, *Professor of Business Law*
ROBERT H. RENSHAW, *Assistant Professor of Economics*
KARL MYRON SCOTT, *Professor of Management*
J. VAN WAGSTAFF, *Assistant Professor of Economics*

Aims

The School of Business Administration was conceived by the Administration and Trustees of Wake Forest College to provide a liberal education and at the same time the preparation essential to a career in business. With the constant growth in the industrialization of the region and the increase in the complexity of modern business, it is felt that professional training for men of business becomes ever more essential. The future business leader, as indeed the present, must be an individual with the professional outlook, an individual of strength, culture, and character. Therefore, it is believed that the School of Business Administration operating in conjunction with a liberal arts college, and with a background of Christianity, represents the ideal combination in the preparation for a career in business.

* See Administration and Faculty Sections for full information.

Admission Requirements

Unconditional admittance: A student, who, at the end of his sophomore year, has attempted at least 54 hours of work and has accumulated at least twice as many quality points as hours attempted, and in addition has passed Business Administration 101 and 102, and 213 and 214, may be admitted, upon application, unconditionally.

Conditional admittance: At the discretion of the Admissions Committee of the School of Business Administration, a student may be admitted conditionally. Conditional admission will be considered under the following circumstances:

a. If the student meets the requirements for unconditional admittance without having completed courses Business Administration 101, 102, 213, and 214, he must complete these courses within one calendar year after date of the conditional admission.

b. A student failing to present quality points equal to twice the hours attempted may be conditionally admitted under the following circumstances:

Hours Attempted	*Quality Point Ratio*
54 to 64.9	1.65
65 to 74.9	1.70
75 to 84.9	1.80
85 and over	1.85

Conditions for continued enrollment:

a. *Unconditional Admittance:* Such a student is expected to maintain quality points equal to twice the number of hours attempted. If at the end of any semester after admission, quality points are not at least equal to twice the hours attempted, admission to the School of

Business Administration will be revoked. The student may apply for conditional admittance.

b. *Conditioanl Admittance:* A student who has been conditionally admitted to the School of Business Administration must make satisfactory progress toward graduation each semester. If a student's over-all record does not meet the requirements listed above for conditional admission, the admission to the School of Business will be revoked at the end of any semester.

Enrollment in Courses by Non-Business Students: Students who have not been admitted to the School of Business, may take business courses numbered 300 and above only with permission of the Dean of the School of Business.

Transfer of Credit from Other Schools

Of the 57 hours of work in the School of Business Administration required for the B.B.A. degree, a minimum of 36 hours must be taken at Wake Forest College. The following rules apply for transfer of residence credit from other schools:

1. A course passed with the lowest passing grade at another institution does not give hour credit toward graduation, but may be used to satisfy a course requirement upon approval of the Dean of the School of Business Administration.
2. Work passed above the minimum passing grade:
   (a) Schools which are members of the American Association of Collegiate Schools of Business:
   All credit is acceptable if the student received a satisfactory grade in the course and if a similar course is offered at Wake Forest College. Credit for courses not offered at Wake Forest College may be accepted upon approval of the Dean of the School of Business Administration.
   (b) Four-year colleges which are accredited by the regional accrediting association:
   Credit for Principles of Accounting and Principles of Economics will be granted with or without a validating

exam at the discretion of the Dean of the School of Business Administration. A validating examination may be required for any course transferred.

(c) Accredited junior colleges:
Principles of Economics may be accepted without a validating exam at the discretion of the Dean of the School of Business Administration. A validating exam is required for Principles of Accounting. No junior or senior courses will be accepted.

(d) Non-accredited schools:
All credit transferred must be validated by examination.

3. A student transferring to Wake Forest College must first meet the general admission requirements of the College. If he transfers 54 hours or more, he must then apply for admission to the School of Business Administration should he wish to become a candidate for the B.B.A. degree. One transferring less than 54 hours may be admitted to the School of Arts and Sciences from which he will be promoted to the School of Business Administration upon meeting the entrance requirements for this school.

Accreditation

The School of Business Administration is a Member of the American Association of Collegiate Schools of Business.

Organizations

The national honorary fraternity in business administration, Beta Gamma Sigma, is represented at Wake Forest. Two professional fraternities in business administration and commerce have installed chapters at Wake Forest. The Gamma Nu Chapter of Delta Sigma Pi and the Gamma Delta Chapter of Alpha Kappa Psi were granted charters in 1950. A local business Society for women students, Delta Kappa Nu, was organized in 1953.

Awards

For a description of the following awards see pages 86-87: *Lura Baker Paden Medal*, *North Carolina Association of Certified Public Accountants Medal*, *A. M. Pullen and Company Medal*, *Wall Street Journal Award*, *Alpha Kappa Psi Scholarship Key*, *Delta Sigma Pi Scholarship Key*, *Delta Kappa Nu's Business Woman Student Award*.

Dean's List Certificates are awarded to graduating seniors receiving the B.B.A. degree who have appeared on the Dean's List for two of the four semesters prior to graduation.

Degrees

The School of Business Administration offers the Bachelor of Business Administration degree and a major in Economics for those taking the Bachelor of Arts degree. A student cannot be considered a candidate for the B.B.A. degree until he has been admitted to the School of Business Administration.

The Bachelor of Business Administration degree requires one hundred twenty-eight hours of college work. A minimum of fifty-seven hours of prescribed work in Business Administration must be taken. A minimum of two quality points must be earned on all hours attempted at Wake Forest. In addition, the student must present a minimum of two quality points for each hour attempted elsewhere. Each student seeking the B.B.A. degree must take a minimum of nine hours beyond the principles level in non-required work in one area of concentration.

Courses required of all candidates for the B.B.A. degree:

Basic Requirements

English 111, 112, 151, 152
History 111, 112
Mathematics 105 and 161
†Religion, 6 hours
Sociology 151-225
or
Psychology 151-273
Political Science 151, 152
Philosophy 211
Business Administration 213-214
Business Administration 101-102
Science, 8 hours
(Laboratory science)
Physical Education 111, 112
Choice of 6 hours:
*Language through 151, 152 or
Mathematics 162 and Speech 151

Professional Work

Business Administration 368
Business Administration 321
Business Administration 361-362
Business Administration 350
Business Administration 340
Business Administration 331
Business Administration 420
Business Administration 460

Students may obtain the Bachelor of Arts degree with a major in Economics. For a major in Economics forty-two hours are required in Economics and related fields with a minimum of thirty hours in Economics. Principles of Economics, Intermediate Economics, Money and Banking, Business Statistics, and either Comparative Economic Systems or History of Economic Thought must be included.

The courses listed below may be counted toward the major requirement in economics:

B. A. 101, 102
B. A. 213, 214
B. A. 310
B. A. 311
B. A. 312
B. A. 314
B. A. 316
B. A. 321
B. A. 340
B. A. 346
B. A. 368
B. A. 411
B. A. 412
B. A. 414
B. A. 434

* See page 111.
† See page 112.

Fields of Concentration

The courses listed below are classified into areas of concentration including both required and elective courses. Each student seeking the B.B.A. degree must take a minimum of nine hours beyond the principles level in non-required work in one area of concentration.

Accounting

The accounting curriculum is designed to give all candidates for degrees in Business Administration or Economics basic knowledge which is essential in understanding and administering business operations. For those who elect more than the minimum required work, the curriculum makes available opportunity for education for the more responsible accounting positions in industry and government and also enables the student to prepare himself for the Certified Public Accountant examination.

A major in accounting is offered to candidates for the B.B.A. degree. In order to qualify as an accounting major, the student must complete Business Administration 101 and 102, 201 and 202, 203, and 404, and three additional courses in accounting. A point-hour ratio of 2.75 to 1 must be attained in accounting subjects. Those who graduate as accounting majors are permitted to take the C.P.A. examination in North Carolina without qualifying experience which is otherwise necessary. (The point-hour ratio does not apply for C.P.A. examination purposes.)

The senior accounting major may have the opportunity to obtain practical accounting experience and training through the Accounting Internship Program.

It is recommended that the student interested in a

career in accounting begin his accounting studies during his freshman year in college.

B.A. 101, 102	Principles of Accounting	6
B.A. 201, 202	Intermediate Accounting	6
B.A. 203	Cost Accounting	3
B.A. 204	Advanced Cost Accounting	2
B.A. 301	Governmental Accounting	3
B.A. 302	Accounting Systems	3
B.A. 401	Advanced Accounting Problems I	3
B.A. 402	Advanced Accounting Problems II	3
B.A. 403	Income Tax Accounting	5
B.A. 404	Auditing	3
B.A. 405	Accounting Internship	2
B.A. 406	Current Accounting Theory	2

Economics

B.A. 213, 214	Principles of Economics	6
B.A. 310	Intermediate Economics	3
B.A. 311	Economic Georgraphy	3
B.A. 312	Economic History of U.S.	3
B.A. 314	International Economics	3
B.A. 316	Business Cycles	3
B.A. 346	Principles of Transportation	3
B.A. 411	Public Finance	3
B.A. 412	Comparative Economic Systems	3
B.A. 414	History of Economic Thought	3

Finance

B.A. 321	Money and Banking	3
B.A. 326	Investments	3
B.A. 342	Credits and Collections	3
B.A. 403	Income Tax Accounting	5
B.A. 411	Public Finance	3
B.A. 420	Corporation Finance	3

Management and Industrial Relations

B.A. 203	Cost Accounting	3
B.A. 204	Advanced Cost Accounting	2
B.A. 316	Business Cycles	3
B.A. 331	Principles of Management	3
B.A. 332	Production Management	3
B.A. 333	Personnel Management	3

B.A. 431	Labor Legislation	3
B.A. 434	Industrial Relations	3

Marketing

B.A. 314	International Economics	3
B.A. 340	Fundamentals of Marketing	3
B.A. 342	Credits and Collections	3
B.A. 344	Retailing	3
B.A. 346	Principles of Transportation	3
B.A. 440	Marketing Management	3
B.A. 442	Fundamentals of Selling	3

Public Administration

B.A. 270	Public Administration	3
B.A. 301	Governmental Accounting	3
B.A. 331	Principles of Management	3
B.A. 333	Personnel Management	3
B.A. 411	Public Finance	3
Pol.Sci. 151, 152	National, State, and Local Government	3
Pol. Sci. 216	Government and Business	3

Other Courses Not Counted Toward a Concentration

B.A. 350	Business Correspondence	3
B.A. 361	Business Law	3
B.A. 362	Business Law	3
B.A. 364	Insurance	3
B.A. 366	Real Estate	3
B.A. 368	Business Statistics	3
B.A. 460	Quantitative Analysis of Business Data	3

Description of Courses

I

Accounting

101-102. *Principles of Accounting*

The fundamental concepts of accounting, the accounting equation, the accounting cycle. Preparation of statements and working papers. Business Administration 101 is prerequisite to 102. Credit for B.A. 101 is withheld until B.A. 102 has been satisfactorily completed.

Credit, 3 hours semester

201-202. *Intermediate Accounting*

A detailed analysis of problems and the related theory concerning accounts normally found in financial statements. Preparation of supplementary reports and statements designed for special purposes. Prerequisite: Business Administration 102; 201 is prerequisite of 202.
Credit, 3 hours each semester

203. *Cost Accounting*

Theory and procedures used in accumulating product costs under job lot and continuous process manufacturing procedures. Major consideration is given to the analysis and interpretation of information accumulated under historical cost accounting procedures. Prerequisite: Business Administration 102. *Credit, 3 hours*

204. *Advanced Cost Accounting*

A continuation of BA 203 with emphasis on cost accumulation under predetermined cost procedures. Major attention is concentrated on analysis of variances from budgeted costs. Recent developments in cost accounting theory and practice are investigated. Prerequiste: Business Administration 203. *Credit, 2 hours*

301. *Governmental Accounting*

The theory and technique in handling accounts for non-profit institutions, and the preparation of reports and statements, with special emphasis on state and local governmental units. Prerequisite: Business Administration 201 *Credit, 3 hours*

302. *Accounting Systems*

A study of the functions which must be performed by an adequate accounting system. Methods and procedures necessary to accomplish these functions are examined and related to selected typical organizations. Prerequisites: Business Administration 201 and 203.
Credit, 3 hours

401. *Advanced Accounting Problems—I*

Advanced problems designed as preparation for the student who intends to work for the C.P.A. certificate and for those who desire a more thorough background in accounting. Prerequisite: Business Administration 201. *Credit, 3 hours*

402. *Advanced Accounting Problems—II*

Advanced work in theory and practice of accounting designed to help prepare the student for the C.P.A. examination and to enable him to solve complex business problems. Prerequisite, Business Administration 201. *Credit, 3 hours*

403. *Income Tax Accounting*

Unusual treatment of certain accounts to comply with the Internal Revenue Code. Preparation of individual and corporate returns. Prerequisite: Business Administration 201. *Credit, 5 hours*

404. *Auditing*

A course designed to familiarize the student with the work of the independent professional accountant, with particular emphasis upon examination and verification of books and records and financial statements taken therefrom. Prerequisite: Business Administration 202. *Credit, 3 hours*

405. *Accounting Internship*

This course may be taken only in conjunction with B.A. 404. The student observes and participates in actual operations and submits detailed reports thereon of his activity with a selected firm of certified public accountants. Approval of the Dean of the School of Business Administration is necessary for enrollment in the course. No credit is granted until successful completion of B. A. 404. *Credit, 2 hours*

406. *Current Accounting Theory*

A study of current problems and controversies in accounting theory. Admission to the class is by permission of the instructor only. The class meets in seminar fashion for two hours one day each week. *Credit, 2 hours*

II

Economics

213. *Principles of Ecomomics*

An introductory course with emphasis on micro-economic analysis. Basic economic concepts and theories of production, value and price, economics of the firm, and functional distribution are the principal topics considered. Throughout the course application of relevant principles in the analysis of specific economic problems is stressed. *Credit, 3 hours*

214. *Principles of Economics*

The emphasis in this course is on macro-economic analysis. Principal topics considered are national income concepts, national income analysis, money and banking, and problems of economic growth and

economic instability. Throughout the course application of relevant principles in the analysis of specific economic problems is stressed. Prerequisite; Business Administration 213. *Credit, 3 hours*

310. *Intermediate Economics*

The analytical tools and principles of modern economics: theories of value and distribution, of money and prices, and of international trade; factors determining national income. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

311. *Economic Geography*

A study of the basic economic activities and industries of the world, with emphasis on the physical, economic, technological, and other factors determining their location and distribution. Registration by permission of instructor, junior or senior year. Offered in alternate years. *Credit, 3 hours*

312. *Economic History of the United States*

This course may count as Business Administration or History, but not both. At the time of registration the student must determine in which field credit is desired. See History 264. *Credit, 3 hours*

314. *International Economics*

An introductory study of the main features of the international economy, including international specialization and trade, balances of payments, foreign exchange, international disequilibrium and process of adjustment, trade restrictions and commercial policies, foreign investment, and some of the economic aspects of the development of under-developed countries. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

316. *Business Cycles*

Topics covered are the identification, description, and statistical measurement of various types of economic fluctuations, particularly business cycles, theories of the causes of business cycles, forecasting techniques, and stabilization policies and measures. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

411. *Public Finance*

A study of government expenditures, budgeting, the administration of the public debt and the ensuing effects upon the economy, public

revenue with an examination of each of the main taxes, and intergovernmental financial relationships. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

412. *Comparative Economic Systems*

An objective examination of the theory, programs, and practices of the principal contemporary economic systems, including capitalism, socialism, communism, fascism, and co-operation. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

414. *History of Economic Thought*

A survey of the main development in economic thought from about 1500 to the present. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

III

Finance

321. *Money and Banking*

A study of monetary systems, the banking structure, banking problems and international finance. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

326. *Investments*

A study of the principles governing the proper investment of personal and institutional funds; information sources; exchanges and government regulations. Prerequisite: Business Administration 214, 101, and 102. *Credit, 3 hours*

420. *Corporation Finance*

A study of the principles and practices of corporate finance, types of securities and characteristics, problems of promotion and combination, security placement, operating policies, receivership and reorganization, and government control. Prerequisite: Business Administration 214, 101, and 102 *Credit, 3 hours*

IV

Management and Industrial Relations

331. *Principles of Management*

A survey course designed to acquaint the student with the aspects of modern management. The background of the management movement, administrative policies, plant location, plant layout, product development and research, and personnel relations are among the topics covered. Prerequisite: Business Administration 213, and 214. *Credit, 3 hours*

332. *Production Management*

Selected production problems are considered. Assembly-line techniques and quality control of materials will be covered. Prerequisite: Business Administration 213, 214 and 331. *Credit, 3 hours*

333. *Personnel Management*

A study of the principles and procedures involved in the recruitment and selection of a labor force, the handling of grievances, problems involved in collective bargaining, remuneration policies, merit rating, promotion and transfer, training in industry, and personnel records. Prerequisite: Business Administration 214. *Credit, 3 hours*

431. *Labor Legislation*

Labor problems are comprehensively treated with particular emphasis upon their legal aspect; foundation of the labor movement, the social and political program they seek to carry through, the labor contract, social insurance legislation, and child labor laws are among the problems considered. Offered in alternate years. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

434. *Industrial Relations*

A course designed to acquaint the student with the trade unions as an institution, management objectives, the bargaining process, the economics of wage determination, the handling of non-wage issues in collective bargaining, and the politico-economic impact of trade unions upon the development of the American economy. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

V

Marketing

340. *Principles of Marketing*

An examination of the marketing structure within the framework of the dynamic economic system of the United States, Studies the movement of goods from producer to consumer through the various channels of distribution; the functions of marketing; marketing costs; the choice of policies; social and economic implications.

Credit, 3 hours

342. *Credits and Collections*

A study of the credit problems of individual business firms. Examines the policies upon which good credit practice is built; sources of credit information; analysis of risk; collection procedures; credit department organization; significane of consumer and mercantile credit to the economy. *Credit, 3 hours*

344. *Retailing*

An introductory course designed to acquaint the student with the basic problems of retailing. Business location, store layout, merchandise display, buying procedures, and inventory control are among the topics covered. Prerequisite: Business Administration 340.

Credit, 3 hours

346. *Principles of Transportation*

An analysis of the economic, social, and political aspects of transportation, with particular reference to the United States. This course develops the place that transportation holds in commercial logistics, and examines current problems in the field of transportation. Prerequisite: Business Administration 213, 214. *Credit, 3 hours*

440. *Marketing Management*

This course is designed to further the student's knowledge of business operations by obtaining an understanding of the marketing concept, and how it is applied, and covers the topics of marketing planning and the analysis and evaluation of the marketing program. Prerequisite: Business Administration 340. *Credit, 3 hours*

442. *Fundamentals of Selling*

A study of the sales function in the marketing of goods and services. This course is designed to acquaint the student with the fundamentals of both advertising and personal selling as an integral part of the marketing process. Prerequisite: Business Administration 340.

Credit, 3 hours

VI

Public Administration

270. *Public Administration*

This course may count as Business Administration or Political Science, but not both. At the time of registration the student must determine in which field credit is desired. See Political Science 213.

Credit, 3 hours

Other Courses Not Counted Toward a Concentration

350. *Business Correspondence*

A course in the theory and practical application of business writing principles, dealing concretely with salesmanship, collection, credit, *et cetera*, with particular reference to the types of expression best adapted to the problems of those fields. Prerequisite: typing ability.

Credit, 3 hours

361, 362. *Business Law*

A study of the more important legal principles which govern in the daily conduct of business. Discussion of contracts, agency, negotible instruments, sales, bailments, partnership, corporations, bankruptcy, and other topics. *Credit, 3 hours each semester*

364. *Insurance*

A study of the fundamental principles of insurance and their application to life, property, casualty, and social insurance. Offered in alternate years. *Credit, 3 hours*

366. *Real Estate*

A study of the fundamental principles, laws, and practices relating to appraisal, ownership, control, financing, and transfer of residential and other real property. *Credit, 3 hours*

368. *Business Statistics*

A study of statistical methods with emphasis upon business and economic data, including such techniques as collecting, classifying, tabulating, graphing, and combining data in frequency distributions; index numbers; time series; correlation; and preparation of reports.

One taking this course may not receive credit in Math 357, 358, Sociology 280, or Psychology 213. Prerequisite: Sixty semester hours work. *Credit, 3 hours*

460. *Quantitative Analysis of Business Data*

This course, required of all B.B.A. degree candidates except those majoring in accounting, is designed to help the student use accounting and related data in solving problems in business administration. The case method is employed to a considerable extent. Prerequisite: Business Administration 214 and 102. *Credit, 3 hours*

DIVISION OF GRADUATE STUDIES

On January 13, 1961, the Trustees of Wake Forest College established the Division of Graduate Studies and announced that beginning in September, 1961, the College would resume course and research work leading to the degree of Master of Arts in the Departments of Biology, Chemistry, English, History, Mathematics, and Physics. A full program of study leading to this degree is now being offered in these six departments. In September, 1964, the Department of Psychology was added to this group.

Since June, 1962, the Department of Education has offered professional courses required for the issuance of the North Carolina Graduate Certificate and for the renewal of other certificates, but a master's degree with the major in Education is not offered.

Requirements for admission to the Division of Graduate Studies include graduation with a superior record from an accredited college. In the evaluation of transcripts greater significance is attached to the applicant's record on work in his major than in his other courses.

Candidates for the degree of Master of Arts are required to complete successfully a minimum of twenty-four hours of course work, write a thesis for which six hours of credit are allotted, and pass a reading examination in one modern foreign language.

The Division of Graduate Studies will have twenty full tuition scholarships available to be awarded for the summer of 1965 and a total of fifty-eight assistantships, fellowships, and scholarships for the academic year 1965-66.

The *Bulletin* of the Division of Graduate Studies, an application for admission form, and an application for grant form may be obtained by writing The Director of Graduate Studies, Box 7323, Reynolda Station, Wake Forest College, Winston-Salem, North Carolina 27106.

SCHOOL OF LAW

*Faculty**

HAROLD WAYLAND TRIBBLE, *President*
CARROLL W. WEATHERS, *Dean and Professor of Law*
HUGH WILLIAM DIVINE, *Professor of Law*
ESRON MCGRUDER FARIS, JR., *Professor of Law*
HENRY CONRAD LAUERMAN, *Associate Professor of Law*
ROBERT E. LEE, *Professor of Law*
JAMES E. SIZEMORE, *Professor of Law*
JAMES A. WEBSTER, JR., *Professor of Law*
NORMAN A. WIGGINS, *Professor of Law*
MRS. VIVIAN LUNSFORD WILSON, *Law Librarian*

General Statement

The Law School was established as a department of Wake Forest College in 1894, the first instructor being Professor N. Y. Gulley, who served as dean from 1905 until his retirement from active administration in 1935. From the beginning, the school has steadily grown and developed until it now has a faculty of eight full-time teachers.

The selection and treatment of the courses of study offered in the Law School, and the method of instruction employed are designed to afford comprehensive and thorough training in the broad field of legal education and to equip students to practice in any jurisdiction where the Anglo-American law system prevails. The achievement of these purposes necessitates, first, the requirement of adequate and appropriate preliminary education in order to assure an intellectual maturity and cultural background against which legal principles and problems can be understood in their social, economic and moral, as well as in their legal aspects; second, a

* See Administration and Faculty sections for full information

comprehensive study of the theories and doctrines of the Anglo-American system of law and their statutory modification.

The Law School has as its objective, not only to train a student in legal principles and doctrines, but also to stimulate his reasoning powers, to prepare him to present legal propositions logically and analytically, and to develop in the student a profound sense of legal ethics, professional responsibility and the duty of the lawyer to society.

The Law School is fully approved by all national and state accrediting agencies. It is a member of the Association of American Law Schools, and is listed as an approved school by the American Bar Association, by the Board of Law Examiners and Council of the North Carolina State Bar, and by the University of the State of New York.

The Law School has its separate building, new and modern in all respects and designed to accommodate the continued growth and future development of the School and the expansion of its program in the field of legal education. The law building, which is a handsome four-story structure, contains many attractive and useful features including air-conditioning. In addition to classroom and seminar room facilities, administrative and faculty offices, library, student lounge and faculty conference room, the building contains a combination moot court-assembly room which will seat 250 people and is adapted for the multiple purposes of the moot court program, Student Bar Association activities, and institutes in the field of continuing legal education. The Law Library is of extraordinary beauty and will accommodate in excess of 100,000 volumes. Alcoves in the reading room and balcony provide individual study space for students. Additional study tables are available

in the reading room and in the three conference rooms. Typing carrells are located in the third floor stack area. The law building also provides a conference room for members of the Bar who wish to use the facilities of the Library for research.

The Law Library contains approximately 33,100 volumes, carefully selected to avoid unnecessary duplication and to insure the greatest possible usefulness.

Admission Requirements

The academic requirements for admission to the School of Law, as a candidate for the LL.B. degree, may be satisfied by any one of the following methods:

(1) An academic degree from an approved college or university.

(2) The completion of three years of academic work prescribed in the "Combined Course" in the School of Arts and Sciences at Wake Forest College. (See pages 117-118 for details.)

(3) The completion of three years of academic work acceptable toward a bachelor's degree at an approved college or university.

An entering law student without an academic degree must have completed at least three-fourths of the work acceptable for a bachelor's degree granted on the basis of a four-year period of study in residence at such approved college or university attended by him, with a scholastic average, based on all work undertaken, at least equal to the quality of work required for graduation at the institutions attended, and at least equal to C. All grades of failure must be included in the computation, including failures received in courses which have been re-taken and passed.

Non-theory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, practice teaching, teaching methods and techniques and similar courses are not acceptable under the above rule. "Required" non-theory work is acceptable up to ten per cent of the total credit offered for admission.

The academic requirements set forth above are minimum requirements, and satisfaction of these requirements do not necessarily entitle an applicant to admission. In addition, an applicant for admission is required to take the Law School Admission Test (an aptitude test hereinafter referred to) and to have his score on such Test furnished this Law School.

There is no rigidly prescribed pre-legal curriculum for admission to the School of Law. Since the law, in its application and as a subject of study, touches so many phases of life, it has been considered unwise to require an inflexible preparatory course. The School of Law merely recommends the inclusion of as many of the following courses as possible in any pre-law program of study: English Composition, History of the United States, History of England, European History, Constitutional History, Government of the United States, State and Local Government, Comparative Government, International Relations, Literature, Foreign Languages, Speech, Psychology, Philosophy, Logic, Natural Sciences, Mathematics, Principles of Economics, Accounting, and Investments.

The work of a law student is greatly facilitated if he can use a typewriter.

Application for admission to the School of Law must be made in writing on a form furnished by the Dean of the School of Law. A small photograph of the applicant must be attached to the application form upon its return. The applicant must request the Registrar of

each college or university that he has attended to send a complete transcript of his record direct to the Dean of the School of Law. The applicant must also have his scores on the Law School Admission Test reported to this Law School. When these items have been received by the School of Law, the applicant will be notified concerning his application.

When an application has been accepted the applicant must make a deposit of $25 with the Treasurer of the College. The deposit is applied on tuition or College charges when the applicant enters the Law School.

Beginning students are admitted to the School of Law at the opening of the fall session. In addition, for several years it has been the policy of the Law School to admit beginning students at the opening of the spring session, which enables such students by continuing without interruption to complete the three-year course in two and one-half years consisting of five regular semesters and two summer sessions. The School will admit beginning students at the opening of the 1966 Spring Semester, and this policy of admitting beginning students at the opening of the spring session will continue until terminated by the Faculty. Advanced students may be admitted at the opening of the summer, fall or spring sessions. The Law School each year conducts two semesters of 17 weeks each, and a summer session of nine weeks.

Admission to Advanced Standing. A student from a law school which is a member of the Association of American Law Schools, who is otherwise qualified to enter this school, may in the discretion of the faculty be admitted to advanced standing for the LL.B. degree. The student must be eligible for readmission to the law school from which he proposes to transfer. The last year of work on the basis of which the degree is granted must be taken in the Wake Forest College School of Law.

Law School Admission Test

This Law School requires all applicants for admission to take the Law School Admission Test, an aptitude test administered by Educational Testing Service. The applicant's scores on the Test will be considered among other factors in passing on his application for admission to this Law School.

Applicants should write Law School Admission Test, Educational Testing Service, 20 Nassau Street, Princeton, New Jersey, for application forms for taking the Test, and for the Bulletin of Information regarding the Test. The Test will be given at numerous locations throughout the nation, including Wake Forest College.

An applicant should request Educational Testing Service to report his scores on the Test to this Law School.

Scholarships and Student Aid

The Law School has a number of scholarships available for each beginning class. Some of these scholarships are awarded on the basis of character, scholarship and financial need. Additional scholarships in a larger amount and covering full tuition are available for each beginning class and are awarded on the basis of character and exceptional scholastic achievement without regard to financial need. Application forms for scholarships may be obtained from the Dean of the School of Law. Applications for scholarships should be filed by March 10th for the school year commencing the following September.

The College has available loan funds for the benefit of students who are in need of financial aid and have satisfactorily completed at least a full semester.

In addition, a number of law students are afforded limited employment as Law Library assistants and

dormitory counselors but usually after the completion of their first year.

Degree of LL.B.

The degree of Bachelor of Laws (LL.B.) will be awarded to the student who (1) has fulfilled the requirements for admission to the Law School as a regular student, (2) thereafter spends the equivalent of three academic years in resident study in the Law School, (3) successfully completes eighty-three semester hours of law, including all prescribed courses, and (4) attains a cumulative weighted average of 67 or more on all work required for graduation.

A candidate for degree whose cumulative weighted average places him in the upper ten per cent of his graduating class will be graduated with the distinction *cum laude* and will be classified as a "Scholastic Honors Graduate." Any such person graduating with a cumulative weighted average of 85 or above will be graduated with the distinction *magna cum laude.*

The Summer Session

The School of Law operates a summer session of nine weeks, the work of which is carefully planned with reference to the curriculum of the regular academic year, and may be used either to supplement the regular curriculum or as a substitute for part of it. Courses are offered during the summer session for advanced students only.

Further Information

Descriptions of the system of grading and examinations, general scholastic regulations, student organizations, prizes and awards, and the complete course of study are contained in a special Law School Bulletin,

issued annually. Requests for this Bulletin, and other correspondence concerning the Law School, should be addressed to The Dean, School of Law, Wake Forest College, 7206 Reynolda Station, Winston-Salem, N. C. 27106.

BOWMAN GRAY SCHOOL OF MEDICINE

Administrative Officers*

Harold Wayland Tribble, *President*
Coy C. Carpenter, *Vice President for Medical Affairs*
Manson Meads, *Dean*
Robert L. Tuttle, *Associate Dean*
Clyde T. Hardy, Jr., *Associate Dean (Administration)*
Harry O. Parker, *Controller*

Origin and Development

The School of Medicine was established at Wake Forest in 1902. It was renamed the School of Medical Sciences in 1937 and operated as a two-year medical school until 1941, when it was moved to Winston-Salem as a four-year medical school in association with the North Carolina Baptist Hospital. It was renamed The Bowman Gray School of Medicine of Wake Forest College in recognition of the benefator who made the expansion possible.

Facilities

The main teaching hospital of the medical school is the North Carolina Baptist Hospital. It has 450 general hospital beds, an 80-bed progressive care unit, a 12-bed intensive care unit, and an outpatient department which serves 85,000 patient visits a year.

The medical school and hospital buildings join to form a single unit, resulting in close correlation of clinical and basic medical science teaching programs.

Since the medical center was established, construction programs have more than doubled the size of the medical school, providing improved educational opportunities

* See Administration and Faculty sections. For the complete faculty roster, see the special bulletin of The Bowman Gray School of Medicine, which may be obtained by request to The Office of Student Affairs, Bowman Gray School of Medicine, Winston-Salem, North Carolina 27103.

for students, additional library space and expanded facilities for research and research training.

Standards

The school is a member of the Association of American Medical Colleges and is approved by the Liaison Committee on Medical Education of the Council on Medical Education of the American Medical Association and the Association of American Medical Colleges. Academic and professional standards comparable to other leading medical schools in the United States are maintained.

Requirements for Admission

The requirements for entrance into the medical school are based on the premise that the program of training a physician is a continuous one shared by both the undergraduate college and the medical school. The responsibility of the undergraduate training program is thus not only to provide the prospective student with the technical information and skills which will make it possible for him to complete his course in medical school but also to help him develop a broad background of experience and interest which will make it possible for him later to achieve a full realization of his potentialities as an individual and as a member of society.

Although ninety semester hours are the minimum requirement, it is felt that, except in unusual circumstances, the student should plan to complete a well-rounded four-year college course, comprising certain specific requirements, but with the emphasis on a broad educational program.

In order for the student entering medical school to be prepared for his courses, he must have aquired certain basic scientific information. Such information is ordinarily obtained in the following undergraduate courses:

2 semesters of general biology
1 semester of advanced zoology
2 semesters of general chemistry
2 semesters of organic chemistry
1 semester of quantitative analysis
2 semesters of general physics

Biology: Courses should provide a broad survey of the animal kingdom, an awareness of animal types and their classifications and a view of man as a part of the total biological picture. Such information is usually covered in one year of general biology. In addition, one course in advanced zoology is required. This may include such courses as embryology, genetics, comparative anatomy, or cytology.

Chemistry: The student should have a working knowledge of chemical principles and of basic quantitative physico-chemical concepts; of the properties of chemical elements, ions, and organic compounds; of the relationship of chemical properties to structure; and of the common techniques of organic chemistry and quantitative analysis. It is important that the student's chemistry experience include adequate time in the laboratory and familiarity with quantitative techniques. These requirements will normally be met by a minimum of one year of general chemistry, one year of organic chemistry, and one course in quantitative analysis. Most students would also profit by a course in physical chemistry.

Physics: Knowledge of the fundamental principles of electricity, electromagnetic radiations, sound, heat, mechanics and optics is necessary and can usually be obtained in a one-year course in general physics.

It should be emphasized that, in listing the above scientific requirements, it is not intended to minimize the importance of other less specific educational requirements.

In addition to the material listed above, the student should acquire extensive knowledge of man as the product of his social, physical, and emotional environment. The desired training is given in courses in Philosophy, Religion, Economics, Sociology, History, Literature, Mathematics, Language, and Psychology. The student is urged to acquaint himself as widely in these fields of knowledge as time and his inclination will permit.

Admission

Candidates desiring admission will, upon request to the Committee on Admissions of the Medical School, be furnished application blanks, which should be properly filled out and returned to the Committee on Admissions together with an application fee of ten dollars. On receipt of the application and transcripts of the applicant's pre-medical work, the credentials will be reviewed by the Committee on Admissions. Students whose applications are favorably considered will be invited to come to Winston-Salem for personal interviews. Those applicants who are accepted are required to make a deposit of fifty dollars to reserve a place in the class for which they are accepted. The deposit will be credited on tuition and deducted from the payment due when the student matriculates.

Students are selected on the basis of academic per-

formance, character, and general fitness for the study of medicine. No student will be admitted who is ineligible, because of scholastic difficulties or misconduct, to re-enroll in a school previously attended. Students more than thirty years of age are seldom admitted.

Graduate Studies

Opportunities are provided for qualified students to obtain advanced instruction and research training in the basic medical sciences. Course work leading to the Master of Science degree with a major in Anatomy, Biochemistry, Microbiology, Pharmacology, and Physiology is offered. Instruction leading to the degree of Doctor of Philosophy in Anatomy, Biochemistry, Microbiology, Physiology, and Pharmacology, is also offered.

Further Information

For detailed information concerning enrollment in The Bowman Gray School of Medicine, course of study in the graduate program, admission to advanced standing, and other matters, address The Committee on Admissions, The Bowman Gray School of Medicine, Winston-Salem, North Carolina 27103.

THE 1965 SUMMER SESSION

Two Six-week Terms

The first of two six-week terms will begin with registration on Monday, June 14, 1965, and will extend through July 20. The second term will begin with registration on Thursday, July 22, and will extend through August 27.

Class work will be confined to the mornings, except for courses in swimming and choir which will meet in the afternoons. Periods will be seventy-five minutes in length, and classes will meet daily, Monday through Friday, and on the first, third, and fifth Saturday of each term.

Courses in the sciences carry four semester hours credit each, and those in swimming and choir one semester hour each. All other courses carry three semester hours credit. The normal load for a student is six semester hours, and the maximum load is seven hours.

Courses will be offered which are designed to meet the needs of regular Wake Forest students, incoming freshmen, visiting students from other colleges, and public school teachers needing renewal of certificates. There will be courses in Biology, Chemistry, Education, English, History, Mathematics, Modern Languages, Music, Philosophy, Psychology, Physics, Physical Education, Religion, Sociology and Anthropology, Speech, and Business Administration.

In September, 1961, Wake Forest resumed offering graduate work leading to the Master of Arts degree in the departments of Biology, Chemistry, English, History, Mathematics, Physics and Psychology. In the Summer Session of 1965 graduate courses leading to the Master of Arts degree will be offered in the departments of Biology, English, History, and Psy-

chology. Opportunities for beginning research toward the Master of Arts degree will be provided in the departments of Chemistry, Mathematics, and Physics.

The department of Education will offer courses which will lead to the issuance of the North Carolina High School Teacher, Class A, Certificate, the Graduate Secondary Certificate, and the renewal of all certificates held by elementary and high school teachers, principals, and superintendents.

For Summer Session Bulletin and other information, address Dean of the Summer Session, Wake Forest College, Box 7293, Reynolda Station, Winston-Salem, North Carolina 27106.

DEGREES CONFERRED

COMMENCEMENT EXERCISES AND DEGREES
1964

The Program

Sunday, June 7

11:00 a.m. Baccalaureate Sermon
The Reverend W. Randall Lolley
Pastor, First Baptist Church
Winston-Salem, North Carolina

3:00 p.m. Senior Orations (for the Ward Medal)
Ronald Treadwell McIntyre. . . . . "The Über Scientist"
David Maier Zacks. . . . . "What Price Security?"
John Leslie Rosenthal
"An Absurd Negligence and Discovery"
Frank Balch Wood. . . . "Can Wake Forest College Become a Christian University?"

4:30 to 6:00 p.m. Reception by President and Mrs. Tribble honoring members of the graduating classes and their visitors.

7:30 p.m. Commencement Recital

Monday, June 8

10:30 a.m. Graduation Exercises
Address
President Edgar F. Shannon, Jr.
University of Virginia

Awards and Honors

1. From the School of Arts and Sciences
Graduating with Distinction in:
English: Carol Lee Goforth
History: Larry Dean Farrell, Edward Reynolds, Suzan Wade Walke
Physics: William Joseph Huff
Political Science: David Prevatt Forsythe, Donald Edwin Schulz, Robert William Yelton
Psychology: Dorothy Jean Carter, Susan Elizabeth Patton, Howard A. Rollins, Jr., James Leland Self, Frank Balch Wood
Graduating with Honors in the Arts and Sciences: David Prevatt Forsythe, Robert Cabell Kidd, Jane Ann McQuere, Rachael Della Motsinger, Walton

Speake Pettit, Jr., Herbert Miles Schiller, Frank Balch Wood

The J. B. Currin Orator's Medal—Edward Reynolds

Atlantic Coast Conference Award for Excellence in Scholarship and Athletics—Richard Dudley Carmichael

The A. D. Ward Orator's Medal—John Leslie Rosenthal

2. From the School of Business Administration

Lura Baker Paden Medal—William Kenan Maready

North Carolina Association of Certified Public Accountants Medal—Claude Lee Turner

A. M. Pullen and Company Medal—William Kenan Maready

Alpha Kappa Psi Scholarship Key—William Kenan Maready

Delta Sigma Pi Scholarship Key—William Kenan Maready

Delta Kappa Nu Business Woman Student Award—Betsy Boyd Janes

Wall Street Journal Award—Betsy Boyd Janes

3. From the School of Law

Lawyers Title Insurance Corporation Award—Larry Bruce Sitton

4. From the Bowman Gray School of Medicine

Roche Award—Charles Linwood Puckett

Faculty Award—Richard Lee Burleson

Best Student Paper Award—

First—Sion Lee Record, Jr.

Second—Martin William Graf

Third—Marcus Sexton Lawrence

Pediatric Merit Award—Wayne Carson Koontz

Obstetrics and Gynecology Merit Award—Richard Lee Burleson

Senior Members of Alpha Omega Alpha

Richard Lee Burleson, Anthony Jay Chapman, Robert Willis Hedger, Frederick Carl Lane, Kenneth Francis Mattucci, David Legarde McCullough, Gordon Joseph Poole

5. From the Department of Military Science

President's Trophy—Cadet Colonel Richard E. Beale, Jr.

ROTC Certificate of Meritorious Leadership Achievement—Cadet Colonel Richard E. Beale, Jr.
Reserve Officer Association Award—Cadet Lt. Colonel David M. Zacks
Armed Forces Chemical Association Medal—Cadet Major William L. Clapp
Professor of Military Science Award—Cadet Lt. Colonel Robert L. Womack
United States Armor Association Award—Cadet Captain John J. Gaskill, Jr.
Chicago Tribune Medal—Cadet Lt. Colonel James L. Israel
Honor Unit Award—Cadet Captain Maurice M. Sponcler, Jr.

PHI BETA KAPPA

Richard Dudley Carmichael
Carolyn Lee Dark
David Prevatt Forsythe
Max Daniel McGinn
Ronald Treadwell McIntyre
Jane Ann McQuere
Rachael Della Motsinger
Betty Jean Nance
Rosefrances Newsom
Walton Speake Pettit, Jr.
Howard Alonzo Rollins, Jr.
Herbert Miles Schiller
James Leland Self
Judith Eileen Shallenberg
Tamra Ellen Stout
Linda Doyal Sutherland
Mary Elizabeth Tucker
Suzan Wade Walke
Marcia Bea White
Robert William Yelton

DEGREES CONFERRED

Doctor of Divinity

James Samuel Potter

Doctor of Humanities

Edgar Finley Shannon, Jr.

Doctor of Laws

Edwin Monroe Stanley

Doctor of Literature

Douglas Maitland Knight*

Doctor of Philosophy

Russel Joseph Reiter

Master of Arts

Neal Monroe Adams
William Charles Arney, Jr.
Patricia B. Cardwell
Parbury P. Schmidt, Jr.
Martha Helen Whicker

Master of Science

Gene Louis Colborn
Carl White Hoffman

Bachelor of Arts

George King Adams
David McKnitt Alexander, Jr.
Larry Keith Arnold
Barr Gallup Ashcraft
Jimmy Lynne Ayers
Martha Charlene Ball
Gary Wayne Barney
Richard Ewing Beale, Jr.
Maxie Eugene Beaver
Dorothy Elizabeth Beckner
Thomas Rudolph Blanton, III
David Edward Boaz
Robert Paul Boone, Jr.
James Mashburn Bowen
Richard Landrum Bowen
Peter Wentworth Bowie
Paul Edward Bowles, Jr.
Irene Margaret Boysen
Elizabeth Ann Breeding
James Michael Broach
Mary Jeannette Browning
John D. Burgart, II
Ralph Colon Burroughs, Jr.
Mary Lou Butts
Nancy Margaret Cain
Glenda Ruth Cannon
William Robert Carr
Patsy Ann Carroll
Dorothy Jean Carter
Lee Ann Culmer Carter
Toni Baetz Carter
Allen Jay Casey, Jr.
Richard Kay Cecil
William Albert Chapman
Neal King Cheek
F. Joseph Clontz, Jr.
Nina Alice Coates
Herbert William Constangy
Daniel Clark Custer
Judith Rose Daniels

* Conferred on Honors Day, April 16, 1964.

Carolyn Lee Dark
John Henry Davidson, Jr.
Ferd Leary Davis, Jr.
John Rowland Davis
Joseph Curtis Deaton, Jr.
Loy Wilson Devine
Nancy Alice Dupree
Ninion Windsor Eagle
Ella Frances Eddins
Thomas Farrell Egge
Sue Ellen Fagg
John B. Fanning
Larry Dean Farrell
David Prevatt Forsythe
Brenda Rushing Funderburk
John Joseph Gaskill, Jr.
Michael W. Gilliom
Carol Lee Goforth
William Hughes Graves, III
Robert Edgerly Greer
Elizabeth Ford Grier
Mildred Joyce Groome
Jacqueline Guffey
Edgar Dallie Gurley, Jr.
Danny Rogers Gwaltney
Juanda Dale Hamrick
Sandra Sherrill Harris
Kenneth Gray Hartman
Bryan King Hassell
Jean Kathryn Heckard
Betty Gray Higgins
William Brian Hilton
Robert Battle Hocutt
Francis Roland Hodges, III
Nancy Carolina Howell
Edwin Randall Hutchinson, Jr.
James Lee Israel
Ronnie Bradford Jenkins
Clarence Reginald Johnson
David Bruce Johnson
Donald Carroll Johnson, Jr.
Donald Ray Jones
Mary Carolyn Jones
Susan Leslie Keen
Frank Terry Kemp
Hugh Lloyd Key, Jr.
Richard Adrian King
Charles Wilson Krafthofer
Eleanor Virginia Kuhn
Thomas Sidney Lanier
Edward Harrell Laughridge
William Rick Leahy
John Francis Lecarpentier, IV
James Wesley Lewis
Flora Katherine Looney
Richard Terry Lovelace
John Paul Lucas, III
Patricia Ann Lundell
Martha Louise McClure
Max Daniel McGinn
Jack Fain McJunkin, Jr.
James Edwin McSwain
Joseph Gordon Maddrey
Dorothy Louise Medlin
Horace Burton Melton
James Radcliffe Melvin
Sandra Sue Merriman
Martha Andrews Merryman
Mary Blair Michael
Mary Jeanne Middleton
James Roland Millsaps
James Drewery Moore, Jr.
William Frank Moser
David Ernest Moyer
Betty Jean Nance
Margaret Ann Neal
Margaret Lee Newman
Richard Neil Norwood
Walter Edwin O'Neal
Mary Greer Owens
Mary Linda Parker
Frederick M. Parrish, Jr.
Susan Elizabeth Patton
Eva Lillie Pearce
Walter Timothy Peterson
Walton Speake Pettit, Jr.
Frank Hollister Potter
David Berry Rader
Edward Reynolds
Barbara Jean Richardson

Gertrude Nancy Robb
Christopher Matthew Roberts
Howard A. Rollins, Jr.
John Leslie Rosenthal
Ann Louise Sanderson
Claudia Deanne Saunders
Donald Edward Schulze
Thea Eunice Schulze
Gary L. Seager
Linda Lorraine Seawell
James Leland Self
Judith Eileen Shallenberg
Paul Daniel Shearer
Judith Ann Shields
Sallie Louia Siebert
Suzanne Helen Simmons
James Mark Sinkway
Emma Jean Smith
Fred Julius Smith, Jr.
Manning Lee Smith
David Summers Snyder
Jerry Reeves Sparger
Maurice Moncrief Sponcler, Jr.
Tamra Ellen Stout
John William Straughan, Jr.
Linda Doyal Sutherland
Martha Turner Tate
John Manley Teachey, Jr.
George Foxworth Teague
James Joseph Tejcek
Jerry Frank Thompson
Sylvia Ruth Thompson
Mary Elizabeth Tucker
Paul Greenwood Turner
John Henry Vernon, III
Joy Kittredge Wackerbarth
Virginia Atkinson Waitt
Suzan Wade Walke
Talmadge Vern Wall, Jr.
Frank Lee Weaver
Linda Lee Weaver
Martha Jane Wells
Phillip Wayne West
Marcia Bea White
John Lewis Williams
Lonnie Rosseau Williford, Jr.
Charles Bryant Winberry, Jr.
Edwin Lambert Wood
Frank Balch Wood
Keturah Anne Worthy
Robert William Yelton
Lamar Lewis Young, Jr.
David Maier Zacks
Margaret Susanne Day Zorbaugh

Bachelor of Science

Evander McKeiver Anderson, Jr.
Al G. Baker
William Smith Barrier
Bobby Dean Biddix
Lynda Jane Boggs
Reginald Sinclair Bolick
Steven Carlton Bost
Carolyn Lee Bryant
Larry Wright Buchanan
Jane Aileen Burnette
Edward Earl Burton, Jr.
David Allison Butler
James Edwin Byrum, Jr.
Raymond Charles Canova
Richard Dudley Carmichael
Reginald Denny Carter
Betty Lou Cassaday
Mary Geraldine Chambers
William Lee Clapp
Sara Cyrena Clayton
Marvin Keen Compher, Jr.
Henderson Hayes Crotts
Marvel Joyce Davison
Dean MacMillan Dobson
Kay Anne Doenges
Preston Hackney Dorsett
Betsy Gayle Eubanks
Alice Lounsbury Ferry

James Louis Forgham
Mary Jill Gary
James Bernard Gill, Jr.
Page Andrews Gill
Cathie Joan Graiser
Maurice Carmel Hawes
Paul Eugene Hendricks, Jr.
Martha Ann Holt
Martha Eloise Honeycutt
Alex Chalmers Hope, Jr.
William Joseph Huff
Patricia Mae Johnson
Linda Marie Joslyn
Ronald Thomas Kadon
Thomas Robert Kautz
Thomas Latimer Keith
Robert Cabell Kidd
Larry Shelton Kilby
June Elaine King
Robert Hampton LeGrand, Jr.
Thomas Franklin Lemke
Joyce Ilene Leonard
Merle Florence Love
James Allen McAlister, Jr.
Ronald Treadwell McIntyre
Jane Ann McQuere
William Marshall Mackie, Jr.
Alexander Edward Mandy
Peter Daniel Maroshek
Donald Allen Metzger
Stephen Anthony Moore
Robert Bernard Moorehead, Jr.
Patricia Jayne Muse
Rosefrances Newsom
Richard Johnston Noel
Walter Evans Noell
Robert Steven Orr
Mary Elizabeth Packard
John Holden Parrish
John Frank Philips, Jr.
John Raymond Phythyon
Frank Jefferson Poore, Jr.
Paul Wade Poston, Jr.
James Dean Puckett
M. Thomas Ruke, Jr.
Francis Benthall Saunders, Jr.
Herbert Miles Schiller
Judith Rae Sedberry
Neil Leland Simstein
Florence Aston Stewart
Raymond Charles Sullivan, Jr.
Lawrence James Sutton
Margaret Louise Sutton
Mary Shull Tarman
Richard Allen Taylor
Michael Tysowsky, Jr.
Jesse Alton Watson
Walter Raphael Wiley, Jr.
Frederick Kent Wilkins, II
James Thomas Williams
Samuel Allen Wilson, Jr.
Jonathan Henry Witherspoon
Robert Donald Worrell
Henry Neill Wright
Foster Harold Young, Jr.

Bachelor of Business Administration

John Newlin Bray
George Wallace Bridwell
James Edward Carter
Charles Stevenson Corey
Clarence Hugh Edwards, Jr.
Ronald Harold Enders
Lawrence Stephen Feinberg
Steven Douglas Fowler
William Ronald Gasque
Edgar Jennings Gower
George Leyland Greco
Cuthbert Toso Hauser, Jr.
William Lyles Hicks, Jr.
William Robert Hill
William Ira Holland
Edward Lee Holder
Betsy Boyd Janes
Alfred M. Johnson, Jr.
William Raines Land, III
Lewis Russell Lederer

Neal Leroy McDuffie
William Kenan Maready
James Donald Martin
Keith Bradford Merk
A. C. Moore
Craig Douglas Nation
Jack Lanier Neal, Jr.
Robert Arthur Newsome
Ralph Harden Reynolds
John Horace Smith, Jr.
Kenneth Carl Stonebraker
Andrew Page Terrell
Alfred Jennings Walke
Robert Lee Womack

Bachelor of Laws

Robert Varnon Bain
Andrew M. Balanda
Henry Vance Barnette, Jr.
Avery Colburn Bordeaux
Bobby Wayne Bowers
Louis Franklin Burleson, Jr.
Joe Neal Cagle
Stephen Gray Calaway
Charles Ewing Clement
Douglas P. Connor
Sidney Smith Eagles, Jr.
James Howard Early, Jr.
Joe Don Brown Floyd
James Albert Harrill, Jr.
Larry Edwin Harrington
Robert Lee Harris
Leon Henderson, Jr.
Robert Lawrence Holland
Richard Martin Hutson, II
Martin Luther Kesler, Jr.
William Oliver King
Joel Lamuel Kirkley, Jr.
Kenneth Michael Koontz
W. Dortch Langston, Jr.
Charles Allen Little
Thomas Peter McNamara
Kevin John Maher
Bobby Gray Martin
Cecil Phillip Merritt
John Merrimon Miller
Jack Grady Monday
Edward Lewis Murrelle
William Claude Myers
William Douglas Parrish
James Forrest Penny, Jr.
Donald Cleveland Perry
Albert James Post
Paul Eugene Price, Jr.
Arthur John Redden, Jr.
Lonis Leon Schurter
Wayne Carthaway Shugart
Larry Bruce Sitton
Donald Lee Smith
Franklin Delano Smith
Paul Glenn Stoner, Jr.
Richard Edward Stover
Robert Vance Suggs
Raymond Drake Thomas
John Gary Vannoy
Thomas Sumter Watts
William Robert White
Jerry Charles Wilson
Arnold Leroy Young

Doctor of Medicine

Mitchell Hurst Allen, Jr.
Gregory Alan Brondos
Carolyn Virden Brown
George Washington Brown
Brenton Charles Burgoyne
Richard Lee Burleson
William Arthur Busse, Jr.
Gary Randall Chambers
Anthony Jay Chapman
David Alexander Coats

Henry Merritt Escue, Jr.
Joel Eben Futral
Larry Morgan Gish
Gene Gordon Goode
Martin William Graf
William Russell Griffin, Jr.
Richard Dallas Hamer
Mark Wilkes Harrold
Robert Willis Hedger
Robert Leslie Hooper
William Bert Jackson
William Pritchard Jordan, Jr.
Julian Cleon Josey, Jr.
Karl Kent Kavel
Wayne Carson Koontz
Kent Butler Lamoureux
Fredrick Carl Lane
Marcus Sexton Lawrence
James Hugh Linder
Kenneth Francis Mattucci
James Alvis McCool
David LeGarde McCullough
William Kenneth McRae
David Norfleet Parker
Jasper Burt Perdue, Jr.
Gordon Joseph Poole
Archie Mayo Rabon
Sion Leo Record, Jr.
Richard Phillip Rose
Thurman Johnson Ross, Jr.
Gary Stanley Sapiro
Alan Remi Shalita
Ray Marshall Woodlief
William Jerome Wortman, Jr.

DEGREES CONFERRED JANUARY 30, 1964

Master of Arts

Carolyn Irene French
James Ronald Thornton

Bachelor of Arts

Leon Lafayette Brogden
John David Brooks
Jerry Wayne Caudle
David Leslie Clough
John Kennedy Danziger, Jr.
Margaret Ann Griffin
James Kristian Hanson
Durward Glenn Hart
Kent Rives Martin
Rachel Della Motsinger
Dorothy Newman Nicholson
Jack Truett Pendergraph
Sandra Kay Thomas
Jack Allen Thompson
Frank Spencer Woody

Bachelor of Science

Paul Edwin Barber
William James Beighey
Ryland Stewart Bryant, Jr.
Roger Durham Coon
Donald Ward Greer
Ruth Ann Hockaday
Jarman Andrews Jenkins
Robert Allen Miller
James Martin Racz
Luther Rochester Vann, Jr.

Bachelor of Business Administration

John James Badoud, Jr.
Phillip Morris Bargoil
Albert Jean DeForest, III
Larry Neal Holcomb
Larry L. Lowder
Carl Hampton Queen, Jr.

SUMMER DIVISION OF THE CLASS OF 1964

Friday, August 28

DEGREES CONFERRED

Master of Arts

Billie O. Adams
J. Ray Blackwelder
Christopher L. Bramlett
Robert C. Cole
Temple H. Fay
Rosemary F. Franklin
Bruce C. Fryer
John P. Gerlach
Ted W. Goodman
Doris S. Saleeby
Marlene D. Siegmann
Charles H. Woodell
Hazel D. Wright

Bachelor of Arts

Cleveland Mitchell Andrews
Herman Allen Autry
William Dennis Bell
Charles William Bentz
James Howard Blanton
William Keefer Brumbach, Jr.
Wilson Fredrick Buchanan
Charles Stevens Cathcart
Thomas Washington Collins, III
James Robert Connelly
William Dorsey Daniel, Jr.
William Frederick Dickens, Jr.
William Swinton Dove, III
Frances Catherine Dyess
Wilbert Mills Faircloth
James Hartness Floyd
Elinor Elizabeth Folger
Sylvia Jeanne Fulp
Marianne Harrelson
Philip Lyman Johnson
George Johnston, III
Plumer Whitelaw Kendall, Jr.
Timothy Alexander Lambeth
David Wescott Lewis, Jr.
Jerry Dwight McGrady
Robert Neal McNeill
Derrill James McIntyre
Edward Joseph Mahoney, Jr.
James Thayer Martin, Jr.
Theodore Richard Meredith, III
Thomas Kennon Roberson
Leo Aloysius Roth, Jr.
Katherine Lee Shotwell
Jimmie Lee Spillman
Ledyard Skipwith Staples, II
James Campbell Steadman
Charles Jackson Stuart
Jonathan Lloyd West
Thomas Oldham Williams, Jr.
Jimmy Shermer Willis
Margaret Gail Wilson

Bachelor of Science

Nelson Richard Alford, Jr.
Leonard Lawrence Brooks, Jr.
Thomas Dalton Cash, Jr.
Philip Edward Chase
Frank Burton Christie, III
William Moseley Faircloth
William Wanley Hicks, Jr.
James Michael Huffman
Richard Benedict Manis
Jerry Wayne Moore
Joseph Alan Parker
James Douglas Lewis Rose
Jennings Bryan Ruffin, Jr.
Tommy Benny Rushing
Michael Robert Walker
Jimmy Keels Williamson

Bachelor of Business Administration

Henry Jerry Alley
Clifton Linwood Benson, Jr.
Linwood Paul Bernhardt
David Leon Budd
Robert Hood Caldwell
Robert Hopper Crum, Jr.
Elmer Otis Edgerton, Jr.
Fred Eugene Falls
William Key Gottenstrater
Earl Haden Hamilton, Jr.
Joseph Edward Johnson
Randall Hale Mabe
William Braswell Northcutt
Carlton Wayne Prater
Bland Bee Pruitt, Jr.
Claude Lee Turner

GRADUATION DISTINCTIONS

Summa Cum Laude

Rachael Della Motsinger

Magna Cum Laude

Ferd Leary Davis, Jr.
David Prevatt Forsythe
James Allen McAlister, Jr.
Max Daniel McGinn
Ronald Treadwell McIntyre
Rosefrances Newsom
James Leland Self
Marcia Bea White

ROTC GRADUATES COMMISSIONED IN THE UNITED STATES ARMY RESERVE

January 1964

John J. Badoud, Jr.
Phillip M. Bargoil
Ryland S. Bryant, Jr.
Durward G. Hart, Jr.
Larry L. Lowder
Jack A. Thompson
Luther R. Vann

June 1964

David M. Alexander, Jr. *
William S. Barrier
Richard E. Beale, Jr. *
Thomas R. Blanton, III
Steven C. Bost
George W. Bridwell
Neal K. Cheek *
William L. Clapp *
John R. Davis, Jr. *
Ninion W. Eagle *
John J. Gaskill, Jr. *
Bryan K. Hassell
William L. Hicks, Jr.
William R. Hill
Edwin R. Hutchinson, Jr.
James L. Israel *
Lewis R. Lederer
Thomas F. Lemke *
Alexander E. Mandy
James D. Martin
Neal L. McDuffie
Jack F. McJunkin, Jr. *
Craig D. Nation
Richard N. Norwood
Frank J. Poore, Jr.
Francis B. Saunders, Jr.
Paul D. Shearer *
Jerry R. Sparger *
Maurice M. Sponcler, Jr. *
John W. Straughan, Jr. *
George F. Teague
Robert L. Womack *
David M. Zacks *

July 1964

Charles S. Cathcart *
Thomas W. Collins, III
James R. Connelly
Thomas F. Egge *
William K. Gottenstrater
George L. Greco
David B. Johnson
Joseph E. Johnson
George Johnston, III
Fred J. Smith, Jr.
Paul G. Turner *
Michael Tysowsky, Jr.

August 1964

Elmer O. Edgerton, Jr.
James T. Martin, Jr.
Jonathan L. West

* Distinguished Military Graduates.

SUMMARY—FALL 1964

	Men	*Women*	*Totals*	
Graduate Students				
Regular	47	29	76	
*Unclassified	17	22	39	
	64	51	115	115
Arts and Sciences				
Seniors	352	184	536	
Juniors	296	175	471	
Sophomores	325	167	492	
Freshmen	545	172	717	
Unclassified	24	8	32	
†Unclassified	6	2	8	
	1,548	708	2,256	2,256
Business Administration				
Seniors	69	7	76	
Juniors	60	4	64	
	129	11	140	140
School of Law:				
Third Year	54	1	55	
Second Year	42	1	43	
First Year	75	1	76	
	171	3	174	174
School of Medicine				
Fourth Year	47	3	50	
Third Year	48	1	49	
Second Year	47	2	49	
First Year	55	2	57	
Graduate Students	23	7	30	
	220	15	235	235
	2,132	788	2,920	2,920

* In-Service Teachers in Saturday Classes and National Science Foundation Institute Students.
† National Science Foundation Institute Students.

Summer Term of 1964

	Men	*Women*	*Totals*	
Graduate Students, 1st term..	49	67	116	
Graduate Students, 2nd term.	24	23	47	
Undergraduates, 1st term....	658	329	987	
Undergraduates, 2nd term...	485	199	684	
Law Students.....	17	1	18	
	1,233	619	1,852	
Duplicates, attended both terms.....	367	146	513	
	866	473	1,339	
Duplicates, Summer School and Regular Session.....	520	184	704	
	346	289	635	635
				3,555

Registration by Schools and Departments

Biology	717
Business Administration	711
Chemistry	434
Classical Languages:	
Greek	63
Latin	292
Education	450
English	1,668
German	379
History	1,445
Mathematics	987
Military Science	355
Music	276
Philosophy	415
Physical Education	907
Physics	249
Political Science	705
Psychology	429
Religion	648
Romance Languages:	
French	555
Hindi	1
Russian	15
Spanish	374
Sociology and Anthropology	639
Speech	182

Geographical Distribution

Counties in North Carolina

Alamance	37	Henderson	10
Alexander	2	Hertford	6
Alleghany	2	Iredell	40
Anson	4	Jackson	2
Ashe	6	Johnston	16
Avery	2	Jones	1
Beaufort	5	Lee	7
Bertie	2	Lenoir	10
Bladen	9	Lincoln	5
Brunswick	2	McDowell	4
Buncombe	20	Macon	3
Burke	21	Martin	8
Cabarrus	30	Mecklenburg	112
Caldwell	9	Mitchell	1
Camden	2	Montgomery	3
Carteret	12	Moore	11
Caswell	1	Nash	14
Catawba	28	New Hanover	22
Chatham	9	Northampton	6
Cherokee	4	Onslow	8
Chowan	7	Orange	4
Cleveland	27	Pasquotank	3
Columbus	9	Pender	1
Craven	9	Person	12
Cumberland	23	Pitt	26
Currituck	2	Polk	1
Davidson	75	Randolph	28
Davie	7	Richmond	12
Dare	1	Robeson	17
Duplin	8	Rockingham	28
Durham	20	Rowan	37
Edgecombe	6	Rutherford	10
Forsyth	331	Sampson	15
Franklin	9	Scotland	11
Gaston	32	Stanly	14
Gates	2	Stokes	11
Granville	4	Surry	37
Greene	2	Transylvania	9
Guilford	115	Union	25
Halifax	12	Vance	10
Harnett	19	Wake	90
Haywood	12	Washington	3

Watauga	3	Wilson	4
Wayne	10	Yadkin	20
Wilkes	20	Yancey	1

States and Foreign Countries

Alabama	10	Ohio	48
Alaska	1	Oklahoma	2
California	12	Oregon	1
Connecticut	30	Pennsylvania	98
Delaware	16	Rhode Island	4
District of Columbia	13	South Carolina	69
Florida	101	Tennessee	47
Georgia	61	Texas	7
Hawaii	2	Utah	1
Illinois	20	Vermont	2
Indiana	8	Virginia	225
Iowa	3	Washington	2
Kansas	1	West Virginia	34
Kentucky	21	Wisconsin	3
Louisiana	2	Canal Zone	3
Maine	2	Puerto Rico	1
Maryland	101	Canada	1
Massachusetts	29	Colombia	1
Michigan	3	Ecuador	1
Minnesota	2	France	1
Mississippi	3	Germany	3
Missouri	6	Hong Kong	2
New Hampshire	8	Japan	3
New Jersey	133	Mexico	1
New Mexico	1	Nigeria	1
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